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SUPER-BRIGHT MULTI-CHIP LED SIGNAL LAMPS

Date: 21st Jan., 2009

T-1-3/4 6V, 12V, 24V, 28V 36V, 48V, 60V Multi-Chip LED Lamp

Data Sheet & Price-List:

SEL-MCL-001-HB

Rev. 1

P. 1 of 2

T-1-3/4 Midget Flanged Based	T-1-3/4 Midget Grooved Based	T-1-3/4 Bi-Pin (3.17mm) Based	T-1-3/4 Midget Screw(E5) Based	T-1-3/4 Midget Wedge Based
6-chips	6-chips	6-chips	6-chips	4-chips
Fig. A	Fig. B	Fig. C	Fig. D	Fig. E

*Note: All dimensions are in mm

Volts(V) Current(mA)	Colour	T-1-3/4 MF Based Fig. A	T-1-3/4 MG Based Fig. B	T-1-3/4 Bi-Pin Based Fig. C	T-1-3/4 E-5/8 Screw Fig. D	T-1-3/4 Wedge Based Fig. E	Ex-works Unit Price
6V AC/DC 45mA	Red	T5LDMF-R6	T5LDMG-R6	T5LDBP-R6	T5LDE5-R6	T5LDWD-R6	US\$1.50
	Green	T5LDMF-G6	T5LDMG-G6	T5LDBP-G6	T5LDE5-G6	T5LDWD-G6	US\$1.50
	InGan Green	T5LDMF-IGG6	T5LDMG-IGG6	T5LDBP-IGG6	T5LDE5-IGG6	T5LDWD-IGG6	US\$2.85
	Amber	T5LDMF-A6	T5LDMG-A6	T5LDBP-A6	T5LDE5-A6	T5LDWD-A6	US\$1.50
	Yellow	T5LDMF-Y6	T5LDMG-Y6	T5LDBP-Y6	T5LDE5-Y6	T5LDWD-Y6	US\$1.50
	InGan Blue	T5LDMF-IGB6	T5LDMG-IGB6	T5LDBP-IGB6	T5LDE5-IGB6	T5LDWD-IGB6	US\$2.85
12V AC/DC 45mA	InGan White	T5LDMF-IGW6	T5LDMG-IGW6	T5LDBP-IGW6	T5LDE5-IGW6	T5LDWD-IGW6	US\$2.85
	Red	T5LDMF-R12	T5LDMG-R12	T5LDBP-R12	T5LDE5-R12	T5LDWD-R12	US\$1.50
	Green	T5LDMF-G12	T5LDMG-G12	T5LDBP-G12	T5LDE5-G12	T5LDWD-G12	US\$1.50
	InGan Green	T5LDMF-IGG12	T5LDMG-IGG12	T5LDBP-IGG12	T5LDE5-IGG12	T5LDWD-IGG12	US\$2.85
	Amber	T5LDMF-A12	T5LDMG-A12	T5LDBP-A12	T5LDE5-A12	T5LDWD-A12	US\$1.50
	Yellow	T5LDMF-Y12	T5LDMG-Y12	T5LDBP-Y12	T5LDE5-Y12	T5LDWD-Y12	US\$1.50
24V AC/DC 15mA	InGan Blue	T5LDMF-IGB12	T5LDMG-IGB12	T5LDBP-IGB12	T5LDE5-IGB12	T5LDWD-IGB12	US\$2.85
	InGan White	T5LDMF-IGW12	T5LDMG-IGW12	T5LDBP-IGW12	T5LDE5-IGW12	T5LDWD-IGW12	US\$2.85
	Red	T5LDMF-R24	T5LDMG-R24	T5LDBP-R24	T5LDE5-R24	T5LDWD-R24	US\$1.50
	Green	T5LDMF-G24	T5LDMG-G24	T5LDBP-G24	T5LDE5-G24	T5LDWD-G24	US\$1.50
	InGan Green	T5LDMF-IGG24	T5LDMG-IGG24	T5LDBP-IGG24	T5LDE5-IGG24	T5LDWD-IGG24	US\$2.85
	Amber	T5LDMF-A24	T5LDMG-A24	T5LDBP-A24	T5LDE5-A24	T5LDWD-A24	US\$1.50
28V AC/DC 15mA	Yellow	T5LDMF-Y24	T5LDMG-Y24	T5LDBP-Y24	T5LDE5-Y24	T5LDWD-Y24	US\$1.50
	InGan Blue	T5LDMF-IGB24	T5LDMG-IGB24	T5LDBP-IGB24	T5LDE5-IGB24	T5LDWD-IGB24	US\$2.85
	InGan White	T5LDMF-IGW24	T5LDMG-IGW24	T5LDBP-IGW24	T5LDE5-IGW24	T5LDWD-IGW24	US\$2.85
	Red	T5LDMF-R28	T5LDMG-R28	T5LDBP-R28	T5LDE5-R28	T5LDWD-R28	US\$1.50
	Green	T5LDMF-G28	T5LDMG-G28	T5LDBP-G28	T5LDE5-G28	T5LDWD-G28	US\$1.50
	InGan Green	T5LDMF-IGG28	T5LDMG-IGG28	T5LDBP-IGG28	T5LDE5-IGG28	T5LDWD-IGG28	US\$2.85
36V AC/DC 15mA	Amber	T5LDMF-A28	T5LDMG-A28	T5LDBP-A28	T5LDE5-A28	T5LDWD-A28	US\$1.50
	Yellow	T5LDMF-Y28	T5LDMG-Y28	T5LDBP-Y28	T5LDE5-Y28	T5LDWD-Y28	US\$1.50
	InGan Blue	T5LDMF-IGB28	T5LDMG-IGB28	T5LDBP-IGB28	T5LDE5-IGB28	T5LDWD-IGB28	US\$2.85
	InGan White	T5LDMF-IGW28	T5LDMG-IGW28	T5LDBP-IGW28	T5LDE5-IGW28	T5LDWD-IGW28	US\$2.85
	Red	T5LDMF-R36	T5LDMG-R36	T5LDBP-R36	T5LDE5-R36	T5LDWD-R36	US\$1.50
	Green	T5LDMF-G36	T5LDMG-G36	T5LDBP-G36	T5LDE5-G36	T5LDWD-G36	US\$1.50
48V AC/DC 15mA	InGan Green	T5LDMF-IGG36	T5LDMG-IGG36	T5LDBP-IGG36	T5LDE5-IGG36	T5LDWD-IGG36	US\$2.85
	Amber	T5LDMF-A48	T5LDMG-A48	T5LDBP-A48	T5LDE5-A48	T5LDWD-A48	US\$1.50
	Yellow	T5LDMF-Y48	T5LDMG-Y48	T5LDBP-Y48	T5LDE5-Y48	T5LDWD-Y48	US\$1.50
	InGan Blue	T5LDMF-IGB48	T5LDMG-IGB48	T5LDBP-IGB48	T5LDE5-IGB48	T5LDWD-IGB48	US\$2.85
	InGan White	T5LDMF-IGW48	T5LDMG-IGW48	T5LDBP-IGW48	T5LDE5-IGW48	T5LDWD-IGW48	US\$2.85
	Red	T5LDMF-R48	T5LDMG-R48	T5LDBP-R48	T5LDE5-R48	T5LDWD-R48	US\$1.50
60V AC/DC 15mA	Green	T5LDMF-G60	T5LDMG-G60	T5LDBP-G60	T5LDE5-G60	T5LDWD-G60	US\$1.50
	InGan Green	T5LDMF-IGG60	T5LDMG-IGG60	T5LDBP-IGG60	T5LDE5-IGG60	T5LDWD-IGG60	US\$2.85
	Amber	T5LDMF-A60	T5LDMG-A60	T5LDBP-A60	T5LDE5-A60	T5LDWD-A60	US\$1.50
	Yellow	T5LDMF-Y60	T5LDMG-Y60	T5LDBP-Y60	T5LDE5-Y60	T5LDWD-Y60	US\$1.50
	InGan Blue	T5LDMF-IGB60	T5LDMG-IGB60	T5LDBP-IGB60	T5LDE5-IGB60	T5LDWD-IGB60	US\$2.85
	InGan White	T5LDMF-IGW60	T5LDMG-IGW60	T5LDBP-IGW60	T5LDE5-IGW60	T5LDWD-IGW60	US\$2.85

Remarks: InGan Blue, Green, White LEDs are with 2-chips for MF, MG, BP, E5 types.

For Midget Wedge type InGan Blue, Green, White are with 1-chip only.

All prices quoted above subject to final confirmation.



SUPER BRIGHT MULTI-CHIP LED SIGNAL LAMP

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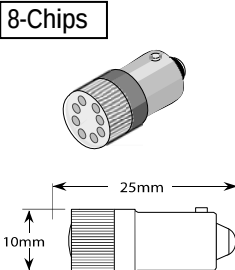
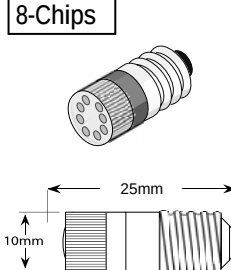
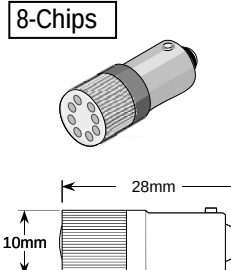
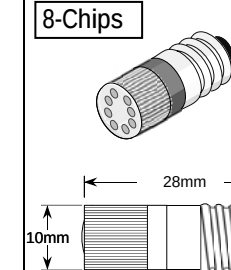
T-3-1/4 (T-10mmØ) 6V, 12V, 24V, 36V, 48V, 60V, 110V & 220V
Multi-Chip LED Lamp with **Nickel Plated Brass Heat sink**

Data Sheet & Price-List:

SEL-MCL-002-HB

Rev. 1

P.1 of 2

T-10x25mm BA9s Based	T-10x25mm E-10 Based	T-10x28mm BA9s Based	T-10x28mm E-10 Based	Features
 Fig. A	 Fig. B	 Fig. C	 Fig. D	High quality industrial grade Nickel-plated Brass Heat-Sink Colour Ring coding Fig. E

*Note: All dimensions are maximum in mm

Volts(V) Current(mA)	Colour	No. of Chips	T-10x25mm BA9s Based Fig-A	T-10x25mm E-10 Based Fig-B	T-10x28mm BA9s Based Fig- C	T-10x28mm E-10 Based Fig-D	Ex-works Unit Price
6V AC/DC 60mA	Red	8	T1025B-R6	T1025E-R6	T1028B-R6	T1028E-R6	US\$1.65
	Green	2	T1025B-G6	T1025E-G6	T1028B-G6	T1028E-G6	US\$1.65
	InGan Green	2	T1025B-IGG6	T1025E-IGG6	T1028B-IGG6	T1028E-IGG6	US\$2.85
	Amber	8	T1025B-A6	T1025E-A6	T1028B-A6	T1028E-A6	US\$1.65
	Yellow	8	T1025B-Y6	T1025E-Y6	T1028B-Y6	T1028E-Y6	US\$1.65
	InGan Blue	2	T1025B-IGB6	T1025E-IGB6	T1028B-IGB6	T1028E-IGB6	US\$2.85
	InGan White	2	T1025B-IGW6	T1025E-IGW6	T1028B-IGW6	T1028E-IGW6	US\$2.85
12V AC/DC 60mA	Red	8	T1025B-R12	T1025E-R12	T1028B-R12	T1028E-R12	US\$1.65
	Green	2	T1025B-G12	T1025E-G12	T1028B-G12	T1028E-G12	US\$1.65
	InGan Green	2	T1025B-IGG12	T1025E-IGG12	T1028B-IGG12	T1028E-IGG12	US\$2.85
	Amber	8	T1025B-A12	T1025E-A12	T1028B-A12	T1028E-A12	US\$1.65
	Yellow	8	T1025B-Y12	T1025E-Y12	T1028B-Y12	T1028E-Y12	US\$1.65
	InGan Blue	2	T1025B-IGB12	T1025E-IGB12	T1028B-IGB12	T1028E-IGB12	US\$2.85
	InGan White	2	T1025B-IGW12	T1025E-IGW12	T1028B-IGW12	T1028E-IGW12	US\$2.85
24V AC/DC 15mA	Red	8	T1025B-R24	T1025E-R24	T1028B-R24	T1028E-R24	US\$1.65
	Green	2	T1025B-G24	T1025E-G24	T1028B-G24	T1028E-G24	US\$1.65
	InGan Green	2	T1025B-IGG24	T1025E-IGG24	T1028B-IGG24	T1028E-IGG24	US\$2.85
	Amber	8	T1025B-A24	T1025E-A24	T1028B-A24	T1028E-A24	US\$1.65
	Yellow	8	T1025B-Y24	T1025E-Y24	T1028B-Y24	T1028E-Y24	US\$1.65
	InGan Blue	2	T1025B-IGB24	T1025E-IGB24	T1028B-IGB24	T1028E-IGB24	US\$2.85
	InGan White	2	T1025B-IGW24	T1025E-IGW24	T1028B-IGW24	T1028E-IGW24	US\$2.85
36V AC/DC 10mA	Red	8	T1025B-R36	T1025E-R36	T1028B-R36	T1028E-R36	US\$1.65
	Green	2	T1025B-G36	T1025E-G36	T1028B-G36	T1028E-G36	US\$1.65
	InGan Green	2	T1025B-IGG36	T1025E-IGG36	T1028B-IGG36	T1028E-IGG36	US\$2.85
	Amber	8	T1025B-A36	T1025E-A36	T1028B-A36	T1028E-A36	US\$1.65
	Yellow	8	T1025B-Y36	T1025E-Y36	T1028B-Y36	T1028E-Y36	US\$1.65
	InGan Blue	2	T1025B-IGB36	T1025E-IGB36	T1028B-IGB36	T1028E-IGB36	US\$2.85
	InGan White	2	T1025B-IGW36	T1025E-IGW36	T1028B-IGW36	T1028E-IGW36	US\$2.85

Remark: InGan Blue, Green, White LEDs are with 2-chips.

All prices quoted above subject to final confirmation.



SUPER BRIGHT MULTI-CHIP LED SIGNAL LAMP

Date: 21st Jan, 2009

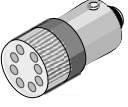
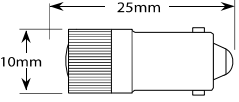
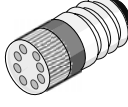
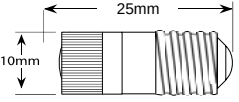
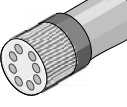
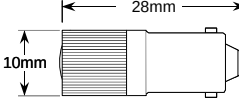
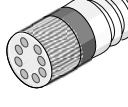
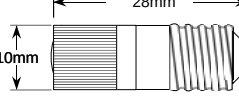
T-3-1/4 (T-10mmØ) 6V, 12V, 24V, 36V, 48V, 60V, 110V & 220V
Multi-Chip LED Lamp with **Nickel Plated Brass Heat sink**

Data Sheet & Price-List:

SEL-MCL-002-HB

Rev. 1

P.2 of 2

T-10x25mm BA9s Based	T-10x25mm E-10 Based	T-10x28mm BA9s Based	T-10x28mm E-10 Based	Features
 8-Chips  Fig. A	 8-Chips  Fig. B	 8-Chips  Fig. C	 8-Chips  Fig. D	High quality industrial grade Nickel-plated Brass Heat-Sink Colour Ring coding Fig. E

*Note: All dimensions are maximum in mm

Volts(V) Current(mA)	Colour	No. of Chips	T-10x25mm BA9s Based Fig-A	T-10x25mm E-10 Based Fig-B	T-10x28mm BA9s Based Fig- C	T-10x28mm E-10 Based Fig-D	Ex-works Unit Price
48V AC/DC 10mA	Red	8	T1025B-R48	T1025E-R48	T1028B-R48	T1028E-R48	US\$1.65
	Green	2	T1025B-G48	T1025E-G48	T1028B-G48	T1028E-G48	US\$1.65
	InGan Green	2	T1025B-IGG48	T1025E-IGG48	T1028B-IGG48	T1028E-IGG48	US\$2.85
	Amber	8	T1025B-A48	T1025E-A48	T1028B-A48	T1028E-A48	US\$1.65
	Yellow	8	T1025B-Y48	T1025E-Y48	T1028B-Y48	T1028E-Y48	US\$1.65
	InGan Blue	2	T1025B-IGB48	T1025E-IGB48	T1028B-IGB48	T1028E-IGB48	US\$2.85
	InGan White	2	T1025B-IGW48	T1025E-IGW48	T1028B-IGW48	T1028E-IGW48	US\$2.85
60V AC/DC 10mA	Red	8	T1025B-R60	T1025E-R60	T1028B-R60	T1028E-R60	US\$1.65
	Green	2	T1025B-G60	T1025E-G60	T1028B-G60	T1028E-G60	US\$1.65
	InGan Green	2	T1025B-IGG60	T1025E-IGG60	T1028B-IGG60	T1028E-IGG60	US\$2.85
	Amber	8	T1025B-A60	T1025E-A60	T1028B-A60	T1028E-A60	US\$1.65
	Yellow	8	T1025B-Y60	T1025E-Y60	T1028B-Y60	T1028E-Y60	US\$1.65
	InGan Blue	2	T1025B-IGB60	T1025E-IGB60	T1028B-IGB60	T1028E-IGB60	US\$2.85
	InGan White	2	T1025B-IGW60	T1025E-IGW60	T1028B-IGW60	T1028E-IGW60	US\$2.85
110V AC/DC 5mA	Red	8	T1025B-R110	T1025E-R110	T1028B-R110	T1028E-R110	US\$1.65
	Green	2	T1025B-G110	T1025E-G110	T1028B-G110	T1028E-G110	US\$1.65
	InGan Green	2	T1025B-IGG110	T1025E-IGG110	T1028B-IGG110	T1028E-IGG110	US\$2.85
	Amber	8	T1025B-A110	T1025E-A110	T1028B-A110	T1028E-A110	US\$1.65
	Yellow	8	T1025B-Y110	T1025E-Y110	T1028B-Y110	T1028E-Y110	US\$1.65
	InGan Blue	2	T1025B-IGB110	T1025E-IGB110	T1028B-IGB110	T1028E-IGB110	US\$2.85
	InGan White	2	T1025B-IGW110	T1025E-IGW110	T1028B-IGW110	T1028E-IGW110	US\$2.85
220V AC 3mA	Red	8	T1025B-R220	T1025E-R220	T1028B-R220	T1028E-R220	US\$1.65
	Green	2	T1025B-G220	T1025E-G220	T1028B-G220	T1028E-G220	US\$1.65
	InGan Green	2	T1025B-IGG220	T1025E-IGG220	T1028B-IGG220	T1028E-IGG220	US\$2.85
	Amber	8	T1025B-A220	T1025E-A220	T1028B-A220	T1028E-A220	US\$1.65
	Yellow	8	T1025B-Y220	T1025E-Y220	T1028B-Y220	T1028E-Y220	US\$1.65
	InGan Blue	2	T1025B-IGB220	T1025E-IGB220	T1028B-B220	T1028E-IGB220	US\$2.85
	InGan White	2	T1025B-IGW220	T1025E-IGW220	T1028B-W220	T1028E-IGW220	US\$2.85

Remark: InGan Blue, Green, White LEDs are with 2-chips.

All prices quoted above subject to final confirmation.



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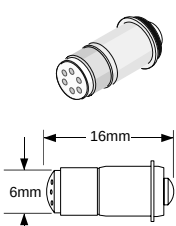
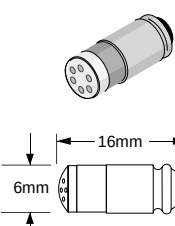
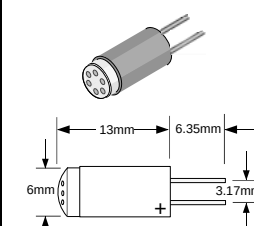
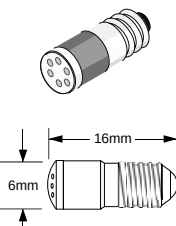
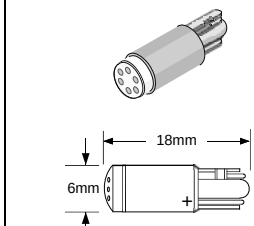
T-1-3/4 6V, 12V, 24V, 28V 36V, 48V, 60V Multi-Chip LED Lamp

Data Sheet & Price-List:

SEL-MCL-001-HB

Rev. 1

P. 2 of 2

T-1-3/4 Midget Flanged Based	T-1-3/4 Midget Grooved Based	T-1-3/4 Bi-Pin (3.17mm) Based	T-1-3/4 Midget Screw(E5) Based	T-1-3/4 Midget Wedge Based
6-chips 	6-chips 	6-chips 	6-chips 	4-chips 
Fig. A	Fig. B	Fig. C	Fig. D	Fig. E

*Note: All dimensions are in mm

Volts(V) Current(mA)	Colour	T-1-3/4 MF Based Fig. A	T-1-3/4 MG Based Fig. B	T-1-3/4 Bi-Pin Based Fig. C	T-1-3/4 E-5/8 Screw Fig. D	T-1-3/4 Wedge Based Fig. E	Ex-works Unit Price
36V AC/DC 15mA	Red	T5LDMF-R36	T5LDMG-R36	T5LDBP-R36	T5LDE5-R36	T5LDWD-R36	US\$1.50
	Green	T5LDMF-G36	T5LDMG-G36	T5LDBP-G36	T5LDE5-G36	T5LDWD-G36	US\$1.50
	InGan Green	T5LDMF-IGG36	T5LDMG-IGG36	T5LDBP-IGG36	T5LDE5-IGG36	T5LDWD-IGG36	US\$2.85
	Amber	T5LDMF-A36	T5LDMG-A36	T5LDBP-A36	T5LDE5-A36	T5LDWD-A36	US\$1.50
	Yellow	T5LDMF-Y36	T5LDMG-Y36	T5LDBP-Y36	T5LDE5-Y36	T5LDWD-Y36	US\$1.50
	InGan Blue	T5LDMF-IGB36	T5LDMG-IGB36	T5LDBP-IGB36	T5LDE5-IGB36	T5LDWD-IGB36	US\$2.85
	InGan White	T5LDMF-IGW36	T5LDMG-IGW36	T5LDBP-IGW36	T5LDE5-IGW36	T5LDWD-IGW36	US\$2.85
48V AC/DC 10mA	Red	T5LDMF-R48	T5LDMG-R48	T5LDBP-R48	T5LDE5-R48	T5LDWD-R48	US\$1.50
	Green	T5LDMF-G48	T5LDMG-G48	T5LDBP-G48	T5LDE5-G48	T5LDWD-G48	US\$1.50
	InGan Green	T5LDMF-IGG48	T5LDMG-IGG48	T5LDBP-IGG48	T5LDE5-IGG48	T5LDWD-IGG48	US\$2.85
	Amber	T5LDMF-A48	T5LDMG-A48	T5LDBP-A48	T5LDE5-A48	T5LDWD-A48	US\$1.50
	Yellow	T5LDMF-Y48	T5LDMG-Y48	T5LDBP-Y48	T5LDE5-Y48	T5LDWD-Y48	US\$1.50
	InGan Blue	T5LDMF-IGB48	T5LDMG-IGB48	T5LDBP-IGB48	T5LDE5-IGB48	T5LDWD-IGB48	US\$2.85
	InGan White	T5LDMF-IGW48	T5LDMG-IGW48	T5LDBP-IGW48	T5LDE5-IGW48	T5LDWD-IGW48	US\$2.85
60V AC/DC 10mA	Red	T5LDMF-R60	T5LDMG-R60	T5LDBP-R60	T5LDE5-R60	T5LDWD-R60	US\$1.50
	Green	T5LDMF-G60	T5LDMG-G60	T5LDBP-G60	T5LDE5-G60	T5LDWD-G60	US\$1.50
	InGan Green	T5LDMF-IGG60	T5LDMG-IGG60	T5LDBP-IGG60	T5LDE5-IGG60	T5LDWD-IGG60	US\$2.85
	Amber	T5LDMF-A60	T5LDMG-A60	T5LDBP-A60	T5LDE5-A60	T5LDWD-A60	US\$1.50
	Yellow	T5LDMF-Y60	T5LDMG-Y60	T5LDBP-Y60	T5LDE5-Y60	T5LDWD-Y60	US\$1.50
	InGan Blue	T5LDMF-IGB60	T5LDMG-IGB60	T5LDBP-IGB60	T5LDE5-IGB60	T5LDWD-IGB60	US\$2.85
	InGan White	T5LDMF-IGW60	T5LDMG-IGW60	T5LDBP-IGW60	T5LDE5-IGW60	T5LDWD-IGW60	US\$2.85

Remarks: InGaN Blue, Green, White LEDs are with 2-chips for MF, MG, BP, E5 types.

For Midget Wedge type InGan Blue, Green, White are with 1-chip only.

All prices quoted above subject to final confirmation.



SUPER-BRIGHT MULTI-CHIP LED SIGNAL LAMPS

Date: 21st Jan, 2009

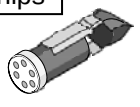
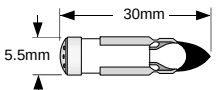
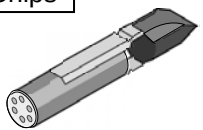
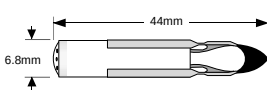
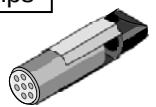
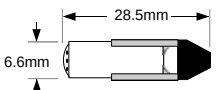
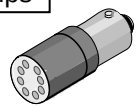
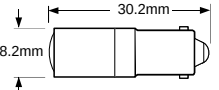
T-5.5, T-6.8 DIN, PSB & MB Multi-Chip LED Lamp

Data Sheet & Price-List:

SEL-MCL-003-HB

Rev. 1

P. 1 of 2

T- 5.5x30mm Slide Based	T-6.8x44mm DIN Slide Based	USA PSB Slide Based	USA MB BA9s Based	Features
6-Chips   Fig. A	6-Chips   Fig. B	6-Chips   Fig. C	8-Chips   Fig. D	• High quality industrial grade • Fine workmanship • Coloured body coding

*Note: All dimensions are in mm

Volts(V) Current(mA)	Colour	T-5.5x30mm Slide Based Fig-A	T-6.8x44mm Slide Based Fig-B	Ex-works Unit Price	USA PSB Slide Based Fig-C	USA MB BA9s Base Fig-D	Ex-works Unit Price
6V AC/DC 45mA	Red	T5530-R-6V	T6844-R-6V	US\$1.65	PSB-R-6V	MB-R-6V (60mA)	US\$1.75
	Green	T5530-G-6V	T6844-G-6V	US\$1.65	PSB-G-6V	MB-G-6V (60mA)	US\$1.75
	InGan Green	T5530-IGG-6V	T6844-IGG-6V	US\$2.85	PSB-IGG-6V	MB-IGG-6V (60mA)	US\$2.85
	Amber	T5530-A-6V	T6844-A-6V	US\$1.65	PSB-A-6V	MB-A-6V (60mA)	US\$1.75
	Yellow	T5530-Y-6V	T6844-Y-6V	US\$1.65	PSB-Y-6V	MB-Y-6V (60mA)	US\$1.75
	InGan Blue	T5530-IGB-6V	T6844-IGB-6V	US\$2.85	PSB-IGB-6V	MB-IGB-6V (60mA)	US\$2.85
	InGan White	T5530-IGW-6V	T6844-IGW-6V	US\$2.85	PSB-IGW-6V	MB-IGW-6V (60mA)	US\$2.85
12V AC/DC 45mA	Red	T5530-R-12V	T6844-R-12V	US\$1.65	PSB-R-12V	MB-R-12V (60mA)	US\$1.75
	Green	T5530-G-12V	T6844-G-12V	US\$1.65	PSB-G-12V	MB-G-12V (60mA)	US\$1.75
	InGan Green	T5530-IGG-12V	T6844-IGG-12V	US\$2.85	PSB-IGG-12V	MB-IGG-12V (60mA)	US\$2.85
	Amber	T5530-A-12V	T6844-A-12V	US\$1.65	PSB-A-12V	MB-A-12V (60mA)	US\$1.75
	Yellow	T5530-Y-12V	T6844-Y-12V	US\$1.65	PSB-Y-12V	MB-Y-12V (60mA)	US\$1.75
	InGan Blue	T5530-IGB-12V	T6844-IGB-12V	US\$2.85	PSB-IGB-12V	MB-IGB-12V (60mA)	US\$2.85
	InGan White	T5530-IGW-12V	T6844-IGW-12V	US\$2.85	PSB-IGW-12V	MB-IGW-12V (60mA)	US\$2.85
24V AC/DC 15mA	Red	T5530-R-24V	T6844-R-24V	US\$1.65	PSB-R-24V	MB-R-24V (12mA)	US\$1.75
	Green	T5530-G-24V	T6844-G-24V	US\$1.65	PSB-G-24V	MB-G-24V (12mA)	US\$1.75
	InGan Green	T5530-IGG-24V	T6844-IGG-24V	US\$2.85	PSB-IGG-24V	MB-IGG-24V (12mA)	US\$2.85
	Amber	T5530-A-24V	T6844-A-24V	US\$1.65	PSB-A-24V	MB-A-24V (12mA)	US\$1.75
	Yellow	T5530-Y-24V	T6844-Y-24V	US\$1.65	PSB-Y-24V	MB-Y-24V (12mA)	US\$1.75
	InGan Blue	T5530-IGB-24V	T6844-IGB-24V	US\$2.85	PSB-IGB-24V	MB-IGB-24V (12mA)	US\$2.85
	InGan White	T5530-IGW-24V	T6844-IGW-24V	US\$2.85	PSB-IGW-24V	MB-IGW-24V (12mA)	US\$2.85
28V AC/DC 15mA	Red	T5530-R-28V	T6844-R-28V	US\$1.65	PSB-R-28V	MB-R-28V (12mA)	US\$1.75
	Green	T5530-G-28V	T6844-G-28V	US\$1.65	PSB-G-28V	MB-G-28V (12mA)	US\$1.75
	InGan Green	T5530-IGG-28V	T6844-IGG-28V	US\$2.85	PSB-IGG-28V	MB-IGG-28V (12mA)	US\$2.85
	Amber	T5530-A-28V	T6844-A-28V	US\$1.65	PSB-A-28V	MB-A-28V (12mA)	US\$1.75
	Yellow	T5530-Y-28V	T6844-Y-28V	US\$1.65	PSB-Y-28V	MB-Y-28V (12mA)	US\$1.75
	InGan Blue	T5530-IGB-28V	T6844-IGB-28V	US\$2.85	PSB-IGB-28V	MB-IGB-28V (12mA)	US\$2.85
	InGan White	T5530-IGW-28V	T6844-IGW-28V	US\$2.85	PSB-IGW-28V	MB-IGW-28V (12mA)	US\$2.85

Remarks: InGan Blue, Green, White LEDs are with 2-chips.

All prices quoted above subject to final confirmation.



SUPER-BRIGHT MULTI-CHIP LED SIGNAL LAMPS

Date: 21st Jan, 2009

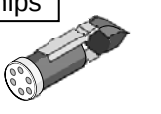
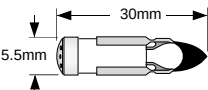
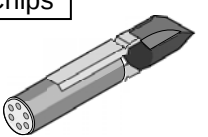
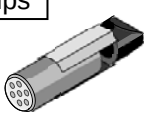
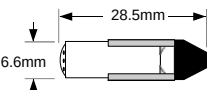
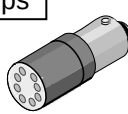
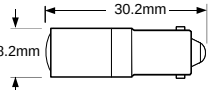
T-5.5, T-6.8 DIN, PSB & MB Multi-Chip LED Lamp

Data Sheet & Price-List:

SEL-MCL-003-HB

Rev. 1

P. 2 of 2

T- 5.5x30mm Slide Based	T-6.8x44mm DIN Slide Based	USA PSB Slide Based	USA MB BA9s Based	Features
6-Chips   Fig. A	6-Chips   Fig. B	6-Chips   Fig. C	8-Chips   Fig. D	• <i>High quality industrial grade</i> • <i>Fine workmanship</i> • <i>Coloured body coding</i>

*Note: All dimensions are in mm

Volts(V) Current(mA)	Colour	T-5.5x30mm Slide Based Fig-A	T-6.8x44mm Slide Based Fig-B	Ex-works Unit Price	USA PSB Slide Based Fig-C	USA MB BA9s Base Fig-D	Ex-works Unit Price
36V AC/DC 15mA	Red	T5530-R-36V	T6844-R-36V	US\$1.65	PSB-R-36V	MB-R-36V (12mA)	US\$1.75
	Green	T5530-G-36V	T6844-G-36V	US\$1.65	PSB-G-36V	MB-G-36V (12mA)	US\$1.75
	InGan Green	T5530-IGG-36V	T6844-IGG-36V	US\$2.85	PSB-IGG-36V	MB-IGG-36V (12mA)	US\$2.85
	Amber	T5530-A-36V	T6844-A-36V	US\$1.65	PSB-A-36V	MB-A-36V (12mA)	US\$1.75
	Yellow	T5530-Y-36V	T6844-Y-36V	US\$1.65	PSB-Y-36V	MB-Y-36V (12mA)	US\$1.75
	InGan Blue	T5530-IGB-36V	T6844-IGB-36V	US\$2.85	PSB-IGB-36V	MB-IGB-36V (12mA)	US\$2.85
	InGan White	T5530-IGW-36V	T6844-IGW-36V	US\$2.85	PSB-IGW-36V	MB-IGW-36V (12mA)	US\$2.85
48V AC/DC 10mA	Red	T5530-R-48V	T6844-R-48V	US\$1.65	PSB-R-48V	MB-R-48V (10mA)	US\$1.75
	Green	T5530-G-48V	T6844-G-48V	US\$1.65	PSB-G-48V	MB-G-48V (10mA)	US\$1.75
	InGan Green	T5530-IGG-48V	T6844-IGG-48V	US\$2.85	PSB-IGG-48V	MB-IGG-48V (10mA)	US\$2.85
	Amber	T5530-A-48V	T6844-A-48V	US\$1.65	PSB-A-48V	MB-A-48V (10mA)	US\$1.75
	Yellow	T5530-Y-48V	T6844-Y-48V	US\$1.65	PSB-Y-48V	MB-Y-48V (10mA)	US\$1.75
	InGan Blue	T5530-IGB-48V	T6844-IGB-48V	US\$2.85	PSB-IGB-48V	MB-IGB-48V (10mA)	US\$2.85
	InGan White	T5530-IGW-48V	T6844-IGW-48V	US\$2.85	PSB-IGW-48V	MB-IGW-48V (10mA)	US\$2.85
60V AC/DC 10mA	Red	T5530-R-60V	T6844-R-60V	US\$1.65	PSB-R-60V	MB-R-60V (10mA)	US\$1.75
	Green	T5530-G-60V	T6844-G-60V	US\$1.65	PSB-G-60V	MB-G-60V (10mA)	US\$1.75
	InGan Green	T5530-IGG-60V	T6844-IGG-60V	US\$2.85	PSB-IGG-60V	MB-IGG-60V (10mA)	US\$2.85
	Amber	T5530-A-60V	T6844-A-60V	US\$1.65	PSB-A-60V	MB-A-60V (10mA)	US\$1.75
	Yellow	T5530-Y-60V	T6844-Y-60V	US\$1.65	PSB-Y-60V	MB-Y-60V (10mA)	US\$1.75
	InGan Blue	T5530-IGB-60V	T6844-IGB-60V	US\$2.85	PSB-IGB-60V	MB-IGB-60V (10mA)	US\$2.85
	InGan White	T5530-IGW-60V	T6844-IGW-60V	US\$2.85	PSB-IGW-60V	MB-IGW-60V (10mA)	US\$2.85
120V AC/DC 10mA	Red				PSB-R-120V	MB-R-120V (10mA)	US\$1.75
	Green				PSB-G-120V	MB-G-120V (10mA)	US\$1.75
	InGan Green				PSB-IGG-120V	MB-IGG-120V (10mA)	US\$2.85
	Amber				PSB-A-120V	MB-A-120V (10mA)	US\$1.75
	Yellow				PSB-Y-120V	MB-Y-120V (10mA)	US\$1.75
	InGan Blue				PSB-IGB-120V	MB-IGB-120V (10mA)	US\$2.85
	InGan White				PSB-IGW-120V	MB-IGW-120V (10mA)	US\$2.85

Remarks: InGan Blue, Green, White LEDs are with 2-chips.
 All prices quoted above subject to final confirmation.



固體電子有限公司 Solitronics Engineering Ltd.

Tel : (852) 2730-8145

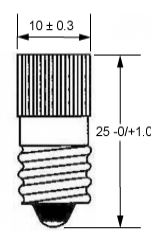
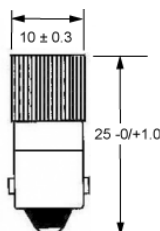
Fax : (852) 2730-3245

2202, Perfect Ind. Bldg., 31 Tai Yau St., Kowloon, Hong Kong S.A.R., China E-mail: info@solitronics.com

High-Quality T-10x25mm BA9s/E10 Multi-LED Signal Lamps with Metal-Heat-Sink

Date: **2nd January 2014**Group:
LED BA9S-E10 Based-SeriesPart Number:
T-1025B-LED-MB-XXXX-SK
T-1025E-LED-MB-XXXX-SKData Sheet:
SEL-T1025X-LED-MB-SK

High Brightness LED Multi-Chip AC/DC(Non-Polarized) Signal-Lamps

**T-10x25mm BA9s****T-10x25mm E10**

Voltage Rating	Current	Colour / Wavelength(nm)	Solitronics Part No.		No. of LED Chips#	Remarks
			BA9S	E10		
6V AC/DC	≤ 20mA	Red / 625nm	T-1025B-LED-MB-006R-SK	T-1025E-LED-MB-006R-SK	2-Chips	
6VAC/8VDC*	≤ 20mA	Green / 525nm	T-1025B-LED-MB-006G-SK	T-1025E-LED-MB-006G-SK	1-Chip*	6V AC/8V DC*
6V AC/DC	≤ 20mA	Yellow / 590nm	T-1025B-LED-MB-006Y-SK	T-1025E-LED-MB-006Y-SK	2-Chips	
6VAC/8VDC*	≤ 20mA	Blue / 470nm	T-1025B-LED-MB-006B-SK	T-1025E-LED-MB-006B-SK	2-Chips*	6V AC/8V DC*
6VAC/8VDC*	≤ 20mA	White	T-1025B-LED-MB-006W-SK	T-1025E-LED-MB-006W-SK	1-Chip*	6V AC/8V DC*
12V AC/DC	≤ 20mA	Red / 625nm	T-1025B-LED-MB-012R-SK	T-1025E-LED-MB-012R-SK	2-Chips	
12V AC/DC	≤ 20mA	Green / 525nm	T-1025B-LED-MB-012G-SK	T-1025E-LED-MB-012G-SK	1-Chip*	
12V AC/DC	≤ 20mA	Yellow / 590nm	T-1025B-LED-MB-012Y-SK	T-1025E-LED-MB-012Y-SK	2-Chips	
12V AC/DC	≤ 20mA	Blue / 470nm	T-1025B-LED-MB-012B-SK	T-1025E-LED-MB-012B-SK	2-Chips*	
12V AC/DC	≤ 20mA	White	T-1025B-LED-MB-012W-SK	T-1025E-LED-MB-012W-SK	1-Chip*	
24V AC/DC	≤ 20mA	Red / 625nm	T-1025B-LED-MB-024R-SK	T-1025E-LED-MB-024R-SK	2-Chips	
24V AC/DC	≤ 20mA	Green / 525nm	T-1025B-LED-MB-024G-SK	T-1025E-LED-MB-024G-SK	1-Chip*	
24V AC/DC	≤ 20mA	Yellow / 590nm	T-1025B-LED-MB-024Y-SK	T-1025E-LED-MB-024Y-SK	2-Chips	
24V AC/DC	≤ 20mA	Blue / 470nm	T-1025B-LED-MB-024B-SK	T-1025E-LED-MB-024B-SK	2-Chips*	
24V AC/DC	≤ 20mA	White	T-1025B-LED-MB-024W-SK	T-1025E-LED-MB-024W-SK	1-Chip*	
48V AC/DC	≤ 20mA	Red / 625nm	T-1025B-LED-MB-048R-SK	T-1025E-LED-MB-048R-SK	2-Chips	
48V AC/DC	≤ 20mA	Green / 525nm	T-1025B-LED-MB-048G-SK	T-1025E-LED-MB-048G-SK	2-Chips*	
48V AC/DC	≤ 20mA	Yellow / 590nm	T-1025B-LED-MB-048Y-SK	T-1025E-LED-MB-048Y-SK	2-Chips	
48V AC/DC	≤ 20mA	Blue / 470nm	T-1025B-LED-MB-048B-SK	T-1025E-LED-MB-048B-SK	2-Chips*	
48V AC/DC	≤ 20mA	White	T-1025B-LED-MB-048W-SK	T-1025E-LED-MB-048W-SK	2-Chips*	
60V AC/DC	≤ 20mA	Red / 625nm	T-1025B-LED-MB-060R-SK	T-1025E-LED-MB-060R-SK	2-Chips	
60V AC/DC	≤ 20mA	Green / 525nm	T-1025B-LED-MB-060G-SK	T-1025E-LED-MB-060G-SK	2-Chips*	
60V AC/DC	≤ 20mA	Yellow / 590nm	T-1025B-LED-MB-060Y-SK	T-1025E-LED-MB-060Y-SK	2-Chips	
60V AC/DC	≤ 20mA	Blue / 470nm	T-1025B-LED-MB-060B-SK	T-1025E-LED-MB-060B-SK	2-Chips*	
60V AC/DC	≤ 20mA	White	T-1025B-LED-MB-060W-SK	T-1025E-LED-MB-060W-SK	2-Chips*	
130V AC/DC	≤ 10mA	Red / 625nm	T-1025B-LED-MB-130R-SK	T-1025E-LED-MB-130R-SK	2-Chips	
130V AC/DC	≤ 10mA	Green / 525nm	T-1025B-LED-MB-130G-SK	T-1025E-LED-MB-130G-SK	2-Chips*	
130V AC/DC	≤ 10mA	Yellow / 590nm	T-1025B-LED-MB-130Y-SK	T-1025E-LED-MB-130Y-SK	2-Chips	
130V AC/DC	≤ 10mA	Blue / 470nm	T-1025B-LED-MB-130B-SK	T-1025E-LED-MB-130B-SK	2-Chips*	
130V AC/DC	≤ 10mA	White	T-1025B-LED-MB-130W-SK	T-1025E-LED-MB-130W-SK	2-Chips*	
230V AC/DC	≤ 3mA	Red / 625nm	T-1025B-LED-MB-230R-SK	T-1025E-LED-MB-230R-SK	2-Chips	
230V AC/DC	≤ 3mA	Green / 525nm	T-1025B-LED-MB-230G-SK	T-1025E-LED-MB-230G-SK	2-Chips*	
230V AC/DC	≤ 3mA	Yellow / 590nm	T-1025B-LED-MB-230Y-SK	T-1025E-LED-MB-230Y-SK	2-Chips	
230V AC/DC	≤ 3mA	Blue / 470nm	T-1025B-LED-MB-230B-SK	T-1025E-LED-MB-230B-SK	2-Chips*	
230V AC/DC	≤ 3mA	White	T-1025B-LED-MB-230W-SK	T-1025E-LED-MB-230W-SK	2-Chips*	

LED Chip Set varies with development of LED technology and the number of chips is subject to change without prior notice.

* Indicates use of high efficiency InGAN LED chips which is an electro-static sensitive device. 6V Rated types for 6 AC & 8V DC only.

Due to continuous development, all specifications are subject to change without prior notice, please confirm all details at time of ordering.



SOLITRONICS ENGINEERING LTD.

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Miniature Tubular LED Retrofit Signal Lamps

Date: 21st November 2016

T-10x28mm E10 LED AC/DC Signal Lamps Warm-White LED FILAMENT with 360 degrees Illumination

Data Sheet:

SEL-T1028E-FL-WW

1. PHYSICAL SIZE

Diameter: 10.0mm + 0 / -1.0mm
Length: 28.0mm + 0.5 / -1.5mm

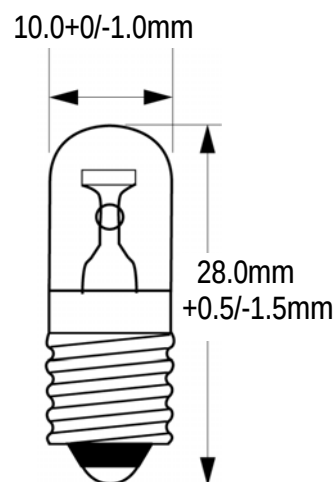
RoHS

2. BASE

Miniature Screw
IEC E10/13.5 or E10/14

3. LAMP TYPE

1. Miniature Tubular Glass Envelope LED Signal lamps.
2. Special LED-FILAMENT with 360 Degrees Illumination.
3. Warm-White illumination similar to tungsten-filament lamp.
4. Low-Power dissipation of approx. 0.3W to 0.5W only.
5. Built-In Bridge Rectifier for AC/DC Operation.
6. Long Life-Expectancy of 30,000 Hrs. & up.
7. Resistant to Shock and Vibration.



Bottom View

4. ELECTRICAL RATING

SEL P/N	Voltage Rating	Current Typical	Colour	Lumens	Remarks
T-1028E-FL-12V-WW	12V AC/DC	≤ 15mA	Warm White	7~ 8 lm Typ.	Under Development
T-1028E-FL-14V-WW	24V AC/DC	≤ 15mA	Warm White	8~10 lm Typ.	
T-1028E-FL-28V-WW	28V AC/DC	≤ 15mA	Warm White	8~10 lm Typ.	
T-1028E-FL-48V-WW	48V AC/DC	≤ 10mA	Warm White	6~8 lm Typ.	
T-1028E-FL-60V-WW	60V AC/DC	≤ 10mA	Warm White	6~8 lm Typ.	
T-1028E-FL-75V-WW	75V AC/DC	≤ 10mA	Warm White	6~8 lm Typ.	
T-1028E-FL-130V-WW	130V AC/DC	≤ 5mA	Warm White	5~8 lm Typ.	
T-1028E-FL-230V-WW	230V AC/DC	≤ 5mA	Warm White	5~8 lm Typ.	

5. APPLICATIONS

Miniature-Screw LED signal lamp for Indicators and Lighted Push-Button Switches etc.

6. REMARKS: –

- a) Direct replacement for incandescent tungsten filament signal lamps.
- b) Suitable for AC/DC operation and non-polarized on DC operation.



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Miniature Tubular LED Retrofit Signal Lamps

Date: 21st November 2016

T-10x28mm BA9S LED AC/DC Signal Lamps Warm-White LED FILAMENT with 360 degrees Illumination

Data Sheet:

SEL-T1028B-FL-WW

1. PHYSICAL SIZE

Diameter: 10.0mm + 0 / -1.0mm
Length: 28.0mm + 0.5 / -1.5mm

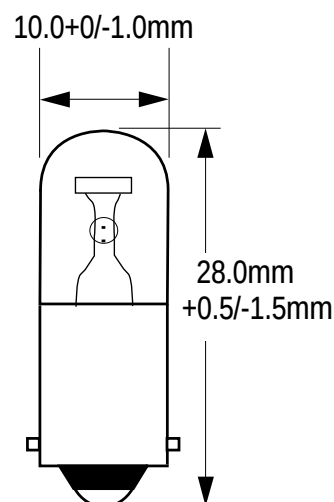
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2. BASE

Miniature Screw
IEC BA9S/13

3. LAMP TYPE

1. Miniature Tubular Glass Envelope LED Signal lamps.
2. Special LED-FILAMENT with 360 Degrees Illumination.
3. Warm-White illumination similar to tungsten-filament lamp.
4. Low-Power dissipation of approx. 0.3W to 0.5W only.
5. Built-In Bridge Rectifier for AC/DC Operation.
6. Long Life-Expectancy of 30,000 Hrs. & up.
7. Resistant to Shock and Vibration.



Bottom View

4. ELECTRICAL RATING

SEL P/N	Voltage Rating	Current Typical	Colour	Lumens	Remarks
T-1028B-FL-12V-WW	12V AC/DC	≤ 15mA	Warm White	7~ 8 lm Typ.	Under Development
T-1028B-FL-14V-WW	24V AC/DC	≤ 15mA	Warm White	8~10 lm Typ.	
T-1028B-FL-28V-WW	28V AC/DC	≤ 15mA	Warm White	8~10 lm Typ.	
T-1028B-FL-48V-WW	48V AC/DC	≤ 10mA	Warm White	6~8 lm Typ.	
T-1028B-FL-60V-WW	60V AC/DC	≤ 10mA	Warm White	6~8 lm Typ.	
T-1028B-FL-75V-WW	75V AC/DC	≤ 10mA	Warm White	6~8 lm Typ.	
T-1028B-FL-130V-WW	130V AC/DC	≤ 5mA	Warm White	5~8 lm Typ.	
T-1028B-FL-230V-WW	230V AC/DC	≤ 5mA	Warm White	5~8 lm Typ.	

5. APPLICATIONS

Miniature-Bayonet LED signal lamp for Indicators and Lighted Push-Button Switches etc.

6. REMARKS: -

- a) Direct replacement for incandescent tungsten filament signal lamps.
- b) Suitable for AC/DC operation and non-polarized on DC operation.



HIGH-BRIGHTNESS LED T-1-3/4 MF & MG SIGNAL LAMPS

Date: 6th July, 2007

T-1-3/4 LED Midget Flange & Midget Groove Based Signal lamps
For 12V-14 AC/DC & 24V-28V AC/DC
Non-polarized on DC operation with special bi-polar LED

Data Sheet & Price-List:

SEL-LD616-MF-MD-01

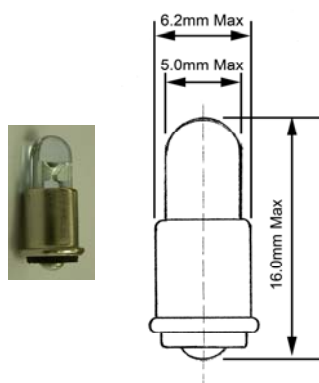


Fig. A (MF Based)

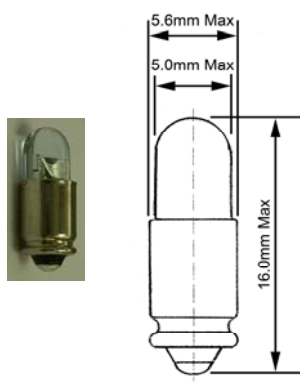
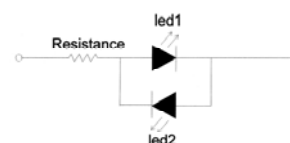


Fig. B: (MG Based)



Electrical Circuit

RoHS

Features:

- High Brightness, Shock-Resistant, wide viewing angle (40° to 70°), Long Life-expectancy
- Low Power consumption ($\leq 15\text{mA}$ at 12V or 24V), cool operation and with intensive colours.
- High quality competitively priced upgrade replacement for a wide-range of MF & MG filament lamps
- Suitable for both AC and DC operation, Non-polarized on DC Operation with special bi-polar LED
- (For DC operation +ve terminal can be connected to either center-contact or side-contact of lamp)

ITEM	LD616MF1 Series Midget Flange (Fig. A)	LD616MG1 Series Midget Groove (Fig. B)	Colour	Nominal Voltage Rating (V)	Current Rating (mA)	T _c (° K)	2θ ^{1/2}	λ _D (nm)	Φ (Lumen)	Remarks
1	LD616MF1-AD12R	LD616MG1-AD12R	Red	12V AC/DC	≤ 15mA	<1500K	70°	625nm	0.60lm	
2	LD616MF1-AD12G	LD616MG1-AD12G	Green	12V AC/DC	≤ 15mA	7500K	50°	530nm	1.50lm	
3	LD616MF1-AD12Y	LD616MG1-AD12Y	Yellow	12V AC/DC	≤ 15mA	1600K	66°	592nm	0.80lm	
4	LD616MF1-AD12B	LD616MG1-AD12B	Blue	12V AC/DC	≤ 15mA	≥25000K	40°	465nm	0.40lm	
5	LD616MF1-AD12W	LD616MG1-AD12W	White	12V AC/DC	≤ 15mA	3200K	70°	582nm	1.40lm	
6	LD616MF1-AD24R	LD616MG1-AD24R	Red	24V AC/DC	≤ 15mA	<1500K	70°	625nm	0.60lm	
7	LD616MF1-AD24G	LD616MG1-AD24G	Green	24V AC/DC	≤ 15mA	7500K	50°	530nm	1.50lm	
8	LD616MF1-AD24Y	LD616MG1-AD24Y	Yellow	24V AC/DC	≤ 15mA	1600K	66°	592nm	0.80lm	
9	LD616MF1-AD24B	LD616MG1-AD24B	Blue	24V AC/DC	≤ 15mA	≥25000K	40°	465nm	0.40lm	
10	LD616MF1-AD24W	LD616MG1-AD24W	White	24V AC/DC	≤ 15mA	3200K	70°	582nm	1.40lm	

Remarks:

1. Super-high brightness Midget Flange and Midget Groove LED Signal lamps to replace conventional MF & MG filament lamps like e.g. USA Lamp Nos. 7388, 394, 725, 740, 733, 382, 330, 8918, 370, 459, 8176, 385, 387, 327, 376, 7341, 729, 7341, 729, 730 and 7354, 386, 336, 393, 7355, 388, 334, 346, 7356, 457, 8177.
2. Theoretical Life-expectancy: 50,000 Hrs.
3. Electrical Voltage Rating: 12-14V AC/DC and 24-28V AC/DC,
4. Non-polarized operation on DC, (i.e. for DC operation +ve terminal can be connected to either center or side contact)
5. Pure Green (530nm), Blue (465nm) and True White (3200K) LED signal lamps use high-efficiency InGAN chips.
6. Red=625-630nm; Green=520-525nm; Blue=470-475nm; Yellow=585-590nm
7. Due continuous development, all specifications are subject to change without prior notice. Confirm all details at time of ordering.



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T-1-3/4 Midget-Flanged and Midget-Grooved LED Signal Lamps for 12V & 24V AC/DC

Date:
20 February 2009

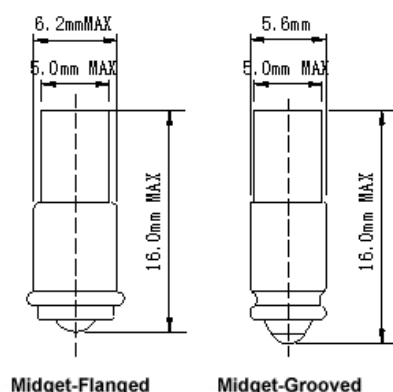
T-6x16mm MF-MG LED

Part Number:
T-616-MX-LED-FT-XXXV

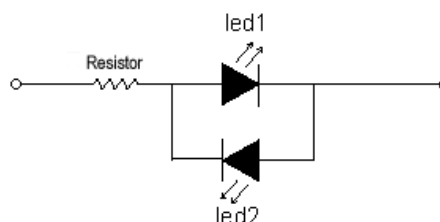
Data Sheet:

SEL-T616-MF-MG-LED-FT

Wide-viewing-angle (110 degrees Non-polarized Midget-flanged and Midget-Grooved LED signal lamps for 12V & 24V AC/DC



Circuit Diagram



- Wide Viewing Angle of 110 degrees
- Suitable for 12V AC/DC and 24V AC/DC
- Non-polarized on DC operation
 (i.e. +ve terminal of the DC supply can be connected to center or side terminal)

Part Number	Color	Voltage	Current +/-5%		Base	T _c	2θ 1/2	I _v	λ _D	Φ
			AC	DC						
T-616-MF-LED-FT-R12V	Red	12V AC/DC	10mA	10mA	MF	<1500K	110°	150mcd	625nm	0.7lm
T-616-MF-LED-FT-Y12V	Yellow	12V AC/DC	10mA	10mA	MF	1600K	110°	200mcd	592nm	0.8lm
T-616-MF-LED-FT-G12V	Green	12V AC/DC	10mA	10mA	MF	7900K	100°	200mcd	530nm	1.6lm
T-616-MF-LED-FT-B12V	Blue	12V AC/DC	10mA	10mA	MF	≥25000K	100°	200mcd	465nm	0.4lm
T-616-MF-LED-FT-W12V	White	12V AC/DC	10mA	10mA	MF	3100K	110°	350mcd	582nm	1.4lm
T-616-MG-LED-FT-R12V	Red	12V AC/DC	10mA	10mA	MG	<1500K	110°	150mcd	625nm	0.7lm
T-616-MG-LED-FT-Y12V	Yellow	12V AC/DC	10mA	10mA	MG	1600K	110°	200mcd	592nm	0.8lm
T-616-MG-LED-FT-G12V	Green	12V AC/DC	10mA	10mA	MG	7900K	100°	200mcd	530nm	1.6lm
T-616-MG-LED-FT-B12V	Blue	12V AC/DC	10mA	10mA	MG	≥25000K	100°	200mcd	465nm	0.4lm
T-616-MG-LED-FT-W12V	White	12V AC/DC	10mA	10mA	MG	3100K	110°	350mcd	582nm	1.4lm
T-616-MF-LED-FT-R24V	Red	24V AC/DC	10mA	10mA	MF	<1500K	110°	150mcd	625nm	0.7lm
T-616-MF-LED-FT-Y24V	Yellow	24V AC/DC	10mA	10mA	MF	1600K	110°	200mcd	592nm	0.8lm
T-616-MF-LED-FT-G24V	Green	24V AC/DC	10mA	10mA	MF	7900K	100°	200mcd	530nm	1.6lm
T-616-MF-LED-FT-B24V	Blue	24V AC/DC	10mA	10mA	MF	≥25000K	100°	200mcd	465nm	0.4lm
T-616-MF-LED-FT-W24V	White	24V AC/DC	10mA	10mA	MF	3200K	110°	350mcd	582nm	1.4lm
T-616-MG-LED-FT-R24V	Red	24V AC/DC	10mA	10mA	MG	<1500K	110°	150mcd	625nm	0.7lm
T-616-MG-LED-FT-Y24V	Yellow	24V AC/DC	10mA	10mA	MG	1600K	110°	200mcd	592nm	0.8lm
T-616-MG-LED-FT-G24V	Green	24V AC/DC	10mA	10mA	MG	7900K	100°	200mcd	530nm	1.6lm
T-616-MG-LED-FT-B24V	Blue	24V AC/DC	10mA	10mA	MG	≥25000K	100°	200mcd	465nm	0.4lm
T-616-MG-LED-FT-W24V	White	24V AC/DC	10mA	10mA	MG	3200K	110°	350mcd	582nm	1.4lm

Notes:

Due to continuous development, all specifications are subject to change without prior notice. Please confirm all details at time of ordering.



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D-Fax : (852) 3003-3056

E-mail : info@solitronics.com

SPECIFICATION

T-5.0mm Wedge Base LED Lamp



ATTENTION

**OBSERVE PRECAUTION
FOR HANDLING
ELECTRO STATIC
SENSITIVE
DEVICES**

Approved by	Checked by	Prepared by



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2202, Perfect Ind. Bldg., 31 Tai Yau St., Kowloon, Hong Kong S.A.R., China

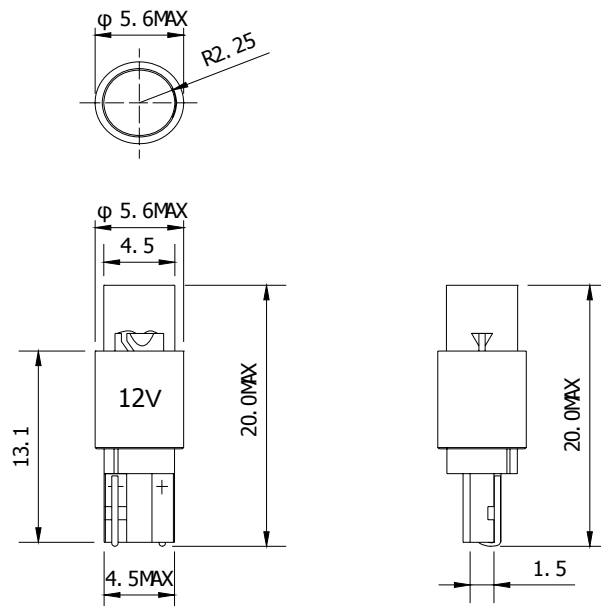
Tel : (852) 2730-8145

Fax : (852) 2730-3245

D-Fax : (852) 3003-3056

E-mail : info@solitronics.com

Assembly Drawing:



Electrical/Optical Characteristics @ Ta=25℃

Forward Voltage	V _f type	12 V		Luminous Intensity (V _f =12V)	I _v	Min	620mcd			
Forward Current	I _f type	16.7 mA				Typ	750mcd			
						Max	900mcd			
Power Dissipation	P _d max	220 mW		Viewing Angle	2 θ 1/2	100°				
Operating Temperature	T _{op}	-30~+65℃		Correlated Colour Temperature	CCT	9000k—11000k				
Storage Temperature	T _{sto}	-40~+100℃		Colour rendering index	Typ CRI	80				
				Luminous flux	φ	2.6 lm				
				Emitted colour		white				

Materials:

LED	φ 4.5mm Cylindrical Flangeless
Resistor	2 Resistors (each Resistor is 270 ohm, 0.25W rating, Metal Film Fixed Film Resistor)
Wedge Holder	Polybutylene Terephthalate

Notes:

- 1、 This device is polarity sensitive.
- 2、 The wedge base is marked durably with rating “12V” and polarity.
- 3、 All dimensions are in millimeters.
- 4、 CRI value is only for reference.



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E-mail : info@solitronics.com

SPECIFICATION

T-10 mm Wedge Base LED Lamp



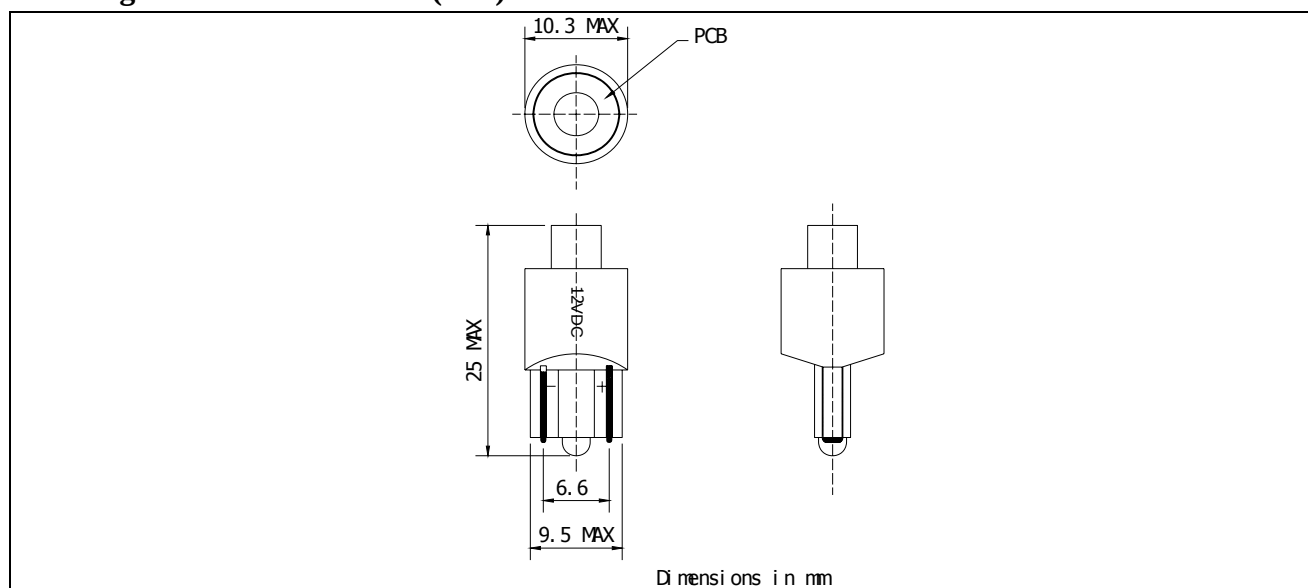
ATTENTION

OBSERVE PRECAUTION
FOR HANDLING
ELECTRO STATIC
SENSITIVE
DEVICES

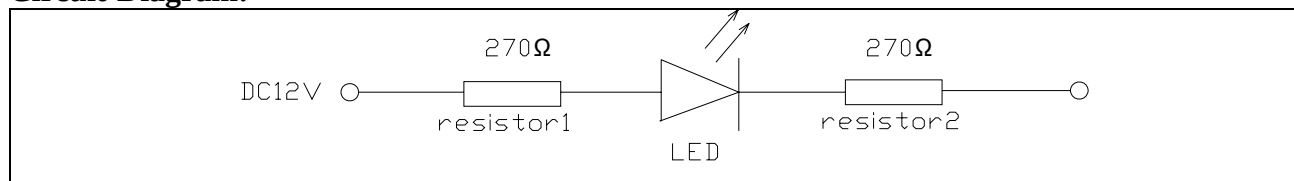
Approved by	Checked by	Prepared by



Drawing: Outline Dimensions (mm)



Circuit-Diagram:



Electrical/Optical Characteristics @ Ta=25°C

Forward Voltage	V _f type	12 V	Luminous Intensity (V _f =12V)	I _v	Min	620mcd
Forward Current	I _f type	16.7 mA			Typ	750mcd
					Max	900mcd
Power Dissipation	P _d max	220 mW	Viewing Angle	2 θ 1/2	100°	
Operating Temperature	T _{op}	-30~+65°C	Correlated Colour Temperature	CCT	9000k—11000k	
Storage Temperature	T _{sto}	-40~+100°C	Colour rendering index	Typ CRI	80	
			Luminous flux	φ	2.6 lm	
			Emitted colour		white	

Materials :

LED	φ 4.5mm Cylindrical Flangeless
Resistor	2 Resistors (each Resistor is 270 ohm, 0.25W rating, Metal Film Fixed Film Resistor)
Wedge Holder	Polycarbonate
PCB	φ 8.6mm FR4 PCB

Notes :

- 1、 This device is polarity sensitive.
- 2、 The wedge base be marked durably with rating “12V” and polarity.
- 3、 All dimensions are in millimeters.
- 4、 CRI value is only for reference.

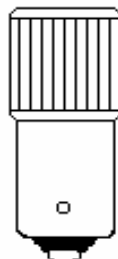


Super-Bright Daylight-Visible LED Signal Lamp with Fresnel-Ring Lens for 22mm Ø Lighted Push-button & Pilot Lights at 6-48V AC/DC & 130V-230V AC

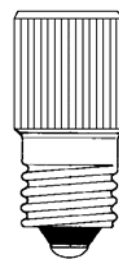
- SHOCK-PROOF & COOL OPERATION
- LOW POWER DISSIPATION 0.5W-1.4W
- 6-48V AC/DC, 130V AC & 240V AC
- SUPER HIGH BRIGHTNESS
- LONG-LIFE EXPECTANCY OVER 50,000 HRS
- 48V-60V AC/DC types available on request

Note: Super Green, Blue and White are sensitive to electrostatic electricity

**T-10x25
BA9S**



**T-10x25
E10/13**



1st Oct. 2002

**Ex-works
Hong Kong**

VOLTAGE	CURRENT	COLOR	P/N	P/N	Price per piece
6-8V AC/DC	8mA AC 15mA DC	Super-Bright Red 660nm	1025-2R06	1025-1R06	US\$0.60
		Diffused Hi-Bright Green 565nm	1025-2G06D	1025-1R06D	US\$0.65
		Super-Bright Green 520nm	#1025-2G06	1025-1G06	US\$1.30
		Super-Bright Yellow 586nm	1025-2Y06	1025-1Y06	US\$0.65
		Super-Bright Blue 470nm	#1025-2B06	1025-1B06	US\$1.30
		Super-White 0.3x0.3y	#1025-2W06	1025-1W06	US\$1.45
12-14V AC/DC	8mA AC 15mA DC	Super-Bright Red 660nm	1025-2R12	1025-1R12	US\$0.60
		Diffused Hi-Bright Green 565nm	1025-2G12D	1025-1G12D	US\$0.65
		Super-Bright Green 520nm	#1025-2G12	1025-1G12	US\$1.30
		Super-Bright Yellow 586nm	1025-2Y12	1025-1Y12	US\$0.65
		Super-Bright Blue 470nm	#1025-2B12	1025-1B12	US\$1.30
		Super-Bright White 0.3x0.3y	#1025-2W12	1025-1W12	US\$1.45
24-28V AC/DC	6mA AC 10mA DC	Super-Bright Red 660nm	1025-2R24	1025-1R24	US\$0.60
		Diffused-Bright Green 565nm	1025-2G24D	1025-1G24D	US\$0.65
		Super-Bright Green 520nm	#1025-2G24	1025-1G24	US\$1.30
		Super-Bright Yellow 586nm	1025-2Y24	1025-1Y24	US\$0.65
		Super-Bright Blue 470nm	#1025-2B24	1025-1B24	US\$1.30
		Super-Bright White 0.3x0.3y	#1025-2W24	1025-1W24	US\$1.45
110-130V AC only	3mA AC only	Super-Bright Red 660nm	1025-2R130	1025-1R130	US\$1.10
		Super-Bright Green 520nm	#1025-2G130	1025-1G130	US\$1.95
		Super-Bright Yellow 586nm	1025-2Y130	1025-1Y130	US\$1.15
		Super-Bright Blue 470nm	#1025-2B130	1025-1B130	US\$1.95
		Super-Bright White 0.3x0.3y	#1025-2W130	1025-1W130	US\$2.10
220-240V AC only	3mA AC only	Super-Bright Red 660nm	1025-2R240	1025-1R240	US\$1.15
		Super-Bright Green 520nm	#1025-2G240	1025-1G240	US\$2.00
		Super-Bright Yellow 586nm	1025-2Y240	1025-1Y240	US\$1.20
		Super-Bright Blue 470nm	#1025-2B240	1025-1B240	US\$2.00
		Super-White 0.3x0.3y	#1025-2W240	1025-1W240	US\$2.15
6-8V DC 12-14V DC 24-28V DC	30mA Peak DC only	Self-flashing Bright Red LED with IC. For attention attracting warning lights 2Hz	1025-2R06FS 1025-2R12FS 1025-2R24FS	1025-1R06FS 1025-1R12FS 1025-1R24FS	US\$1.10 US\$1.10 US\$1.25
6-8V DC, 12-14V DC 24-28V DC	30mA Peak DC only	Self-flashing Bright Yellow LED with IC. For attention attracting warning lights 2Hz	1025-2Y06FS 1025-2Y12FS 1025-2Y24FS	1025-1Y06FS 1025-1Y12FS 1025-1Y24FS	US\$1.10 US\$1.10 US\$1.25
6-8V DC, 12-14V DC 24-28V DC	30mA Peak DC only	Self-flashing Green LED with IC. For attention attracting warning lights 2Hz	1025-2G06FS 1025-2G12FS 1025-2G24FS	1025-1G06FS 1025-1G12FS 1025-1G24FS	US\$1.10 US\$1.10 US\$1.25

Note: # Indicate Super-Bright Green, Blue and White LEDs which are sensitive to electrostatic electricity.

When used in environment susceptible to electrostatic electricity a 470K 1/4W bleeding resistor across lamp holder is recommended. Due to continuous development, all specifications are subject to change without prior notice.



SOLITRONICS ENGINEERING LTD.

TEL: (852) 2730-8145 FAX: (852) 2730-3245 E-mail: info@solitronics.com

Super-High Brightness Day-Light Visible LED Signal Lamps for 230V/6.3V Transformer Pilot Lights and Control Units

Date:

26th August 2002

Super High-brightness LED Replacement lamps for Schneider-Telemecanique XB7EV8.P and IZUMI IDEC TW Series 22mmØ Transformer Pilot Lights

Data Sheet:

SEL-1025-2X06V

1. Application

Super High Brightness LED Replacement lamp for G-11x23mm 6.3V 1W BA9s used in IZUMI-IDEC 22mmØ TW Series Control Units and T-10x28mm 6V 1.2W BA9s lamp used in Schneider-Telemecanique XB-7EV8.P Transformer Pilot Lights.

2. Features

Super High Brightness
Shock-Resistant, Cool operation,
Low-power Consumption 6-7V 6-10mA
Long-Life Expectancy Over 50,000 Hrs!
Available in Super-Red, Super-Green,
Super-Amber and Super-Blue.

3. Physical Size

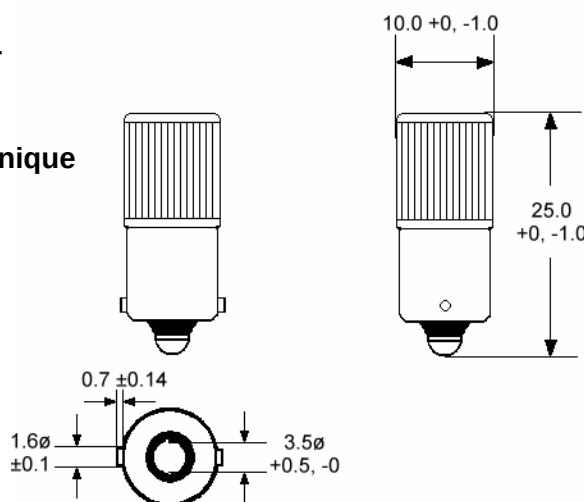
Diameter: 10.0mm + 0 / -1.0mm
Length: 25.0mm + 0 / -1.5mm

4. Lamp Base

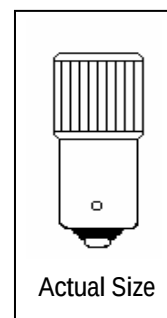
Miniature Bayonet
Din 49712 BA9S

5. Lamp Type

Super High Brightness LED with internal protection diode.



In case of DC operation
Center-contact must be
connected to positive
terminal of DC supply



Actual Size

Solitronics Engineering Ltd.

6. Electrical Rating

SEL P/N	Voltage	Current	Color	Typical mcd
1025-2R06	6-7V AC/DC	8-15mA	Super-Bright Red 660nm	1000-1890mcd
1025-2G06	6-7V AC/DC	8-15mA	Super-Bright Green 520nm	810-1350mcd
1025-2A06	6-7V AC/DC	8-15mA	Super- Bright Amber 585	960-1800mcd
1025-2B06	6-7V AC/DC	8-15mA	Super-Bright Blue 470nm	900-1687mcd

7. Remarks

LED replacement lamp for G-11x23mm 6.3V 1W BA9s incandescent filament lamp bulb used in IZUMI IDEC 22mmØ TW Series Control Unit. (Transformer Pilot Light).

LED replacement lamp for T-10x28mm 6V 1.2W incandescent filament lamp bulb (P/N DL1-CB006) used in Schneider-Telemecanique XB-7EV8.P Transformer Pilot Light.



SOLITRONICS ENGINEERING LTD.

TEL: (852) 2730-8145

FAX: (852) 2730-3245

E-mail: info@solitronics.com

HIGH BRIGHTNESS 2Hz SELF-FLASHING LED BASED MINIATURE BAYONET SIGNAL LAMP FOR ATTENTION ATTRACTING WARNING PILOT LIGHTS & MARKERS

Date:

24th August 1999

**T-10x25mm BA9s 2 Hz Self-flashing LED Signal Lamp
for 6-24V DC only. Operating Current: 30mA DC Peak**

Data Sheet:

SEL-1025-2-6-24FS

1. Features

Self-Flashing High-Brightness LED
Shock-Resistant & High Reliability
Low-power consumption
Long Life-expectancy
With internal protection diode

2. Physical Size

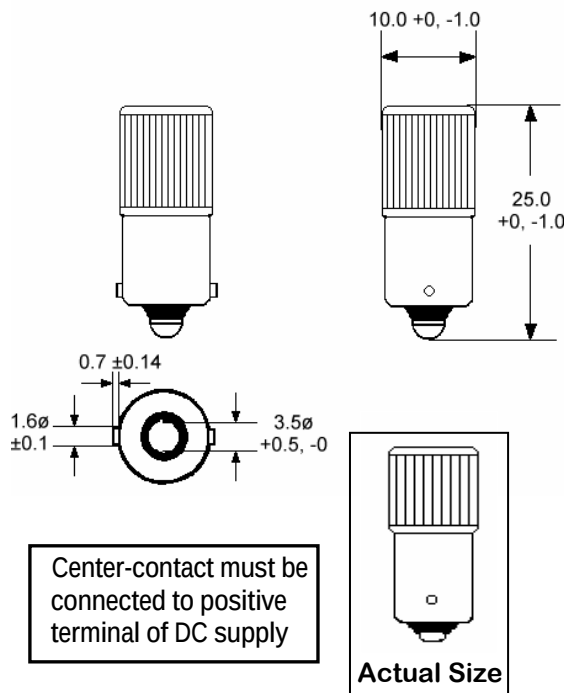
Diameter: 10.0mm + 0 / -1.0mm
Length: 25.0mm + 0 / -1.5mm

3. Lamp Base

Miniature Bayonet
Din 49712 BA9S

4. Lamp Type

Self-flashing high-brightness Red LED
Signal lamp with built-in Integrated
Circuit for 6-24V DC only operation.
Flash-rate: 2 Hz
Polarization: Center-Contact = + ve terminal



5. Applications

For attention attracting warning Pilot
Lights or Marker-Indicators.

Solitronics Engineering Ltd E-mail: info@solitronics.com

6. Electrical Rating

SEL P/N	Voltage	Current	Color	Typical mcd
1025-2R06FS	6-7V DC	30mA DC Peak	Super-Red 666nm	390 mcd
1025-2R12FS	12-14V DC	30mA DC Peak	Super-Red 666nm	390 mcd
1025-2R24FS	24-28V DC	30mA DC Peak	Super-Red 666nm	390 mcd
1025-2Y06FS	6-7V DC	30mA DC Peak	Super-Yellow 585nm	570 mcd
1025-2Y12FS	12-14V DC	30mA DC Peak	Super-Yellow 585nm	570 mcd
1025-2Y24FS	24-28V DC	30mA DC Peak	Super-Yellow 585nm	570 mcd
1025-2G06FS	6-7V DC	30mA DC Peak	Green 569nm	180 mcd
1025-2G12FS	12-14V DC	30mA DC Peak	Green 569nm	180 mcd
1025-2G24FS	24-28V DC	30mA DC Peak	Green 569nm	180 mcd

7. Remarks

All the above lamps are fitted internally with Flashing Integrated Circuit and protection diode.
Due to continuous development, all specifications are subject to change without prior notice



SOLITRONICS ENGINEERING LTD.

TEL: (852) 2730-8145

FAX: (852) 2730-3245

E-mail: info@solitronics.com

HIGH BRIGHTNESS 2Hz SELF-FLASHING LED BASED MINIATURE SCREW SIGNAL LAMP FOR ATTENTION ATTRACTING WARNING PILOT LIGHTS & MARKERS

Date:

18th August 1999

**T-10x25mm E-10 2 Hz Self-flashing LED Signal Lamp
for 6-24V DC only. Operating Current: 30mA DC Peak**

Data Sheet:

SEL-1025-1-6-24FS

1. Features

Self-Flashing High-Brightness LED
Shock-Resistant & High Reliability
Low-power consumption
Long Life-expectancy
With internal protection diode

2. Physical Size

Diameter: 10.0mm +0/-1.0mm

Length: 25.0mm +0/-1.5mm

3. Lamp Base

Miniature Screw Base
IEC E-10/13

4. Lamp Type

Self-flashing high-brightness Red LED
Signal lamp with built-in Integrated
Circuit for 6-24V DC only operation.
Flash-rate: 2 Hz

Polarization: Center-Contact = + ve terminal

5. Applications

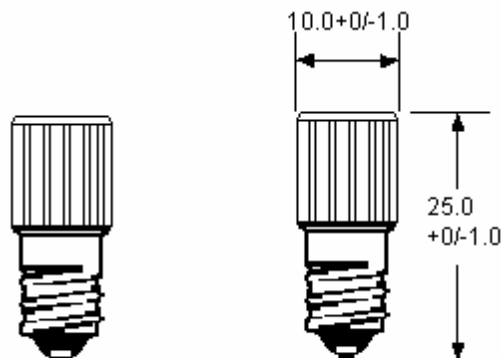
For attention attracting warning Pilot
Lights or Marker-Indicators.

6. Electrical Rating

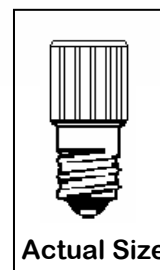
SEL P/N	Voltage	Current	Color	Typical mcd
1025-1R06FS	6-7V DC	30mA DC Peak	Super-Red 666nm	390 mcd
1025-1R12FS	12-14V DC	30mA DC Peak	Super-Red 666nm	390 mcd
1025-1R24FS	24-28V DC	30mA DC Peak	Super-Red 666nm	390 mcd
1025-1Y06FS	6-7V DC	30mA DC Peak	Super-Yellow 585nm	570 mcd
1025-1Y12FS	12-14V DC	30mA DC Peak	Super-Yellow 585nm	570 mcd
1025-1Y24FS	24-28V DC	30mA DC Peak	Super-Yellow 585nm	570 mcd
1025-1G06FS	6-7V DC	30mA DC Peak	Green 569nm	180 mcd
1025-1G12FS	12-14V DC	30mA DC Peak	Green 569nm	180 mcd
1025-1G24FS	24-28V DC	30mA DC Peak	Green 569nm	180 mcd

7. Remarks

All the above lamps are fitted internally with Flashing Integrated Circuit and protection diode.
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Center-contact must be
connected to positive
terminal of DC supply



Actual Size

Solitronics Engineering Ltd E-mail: info@solitronics.com



SOLITRONICS ENGINEERING LTD.

TEL: (852) 2730-8145

FAX: (852) 2730-3245

E-mail: info@solitronics.com

SUPER HIGH BRIGHTNESS LED SIGNAL-LAMP

Date:

14th September 2002**T-10x25mm BA9s Super-Bright LED Signal lamp
For 6-7V AC/DC, 12-15V AC/DC & 24V AC/DC**

Data Sheet:

SEL-1025-2-LED-6-24V

1. Features

Super High-Brightness LED Signal lamps
Shock-Resistant & High Reliability
Low-power consumption
Long Life-expectancy

2. Physical Size

Diameter: 10.0mm +0/-1.0mm
Length: 25.0mm +0/-1.5mm

3. Lamp Base

Miniature Bayonet
Din 49712 BA9S

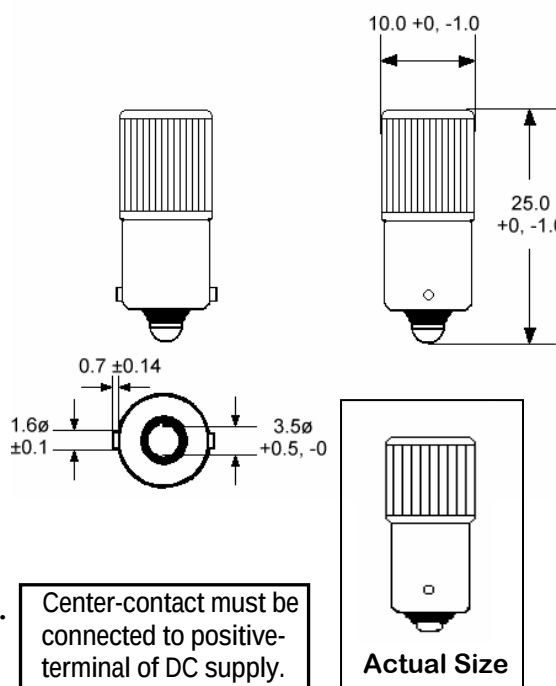
4. Lamp Type

High-brightness diode protected
LED signal lamp for AC/DC operation.
Polarization: Center-contact = + ve terminal.

5. Applications

For 22Ømm pilot light, lift-indicators, etc.

6. Electrical Rating

Solitronics Engineering Ltd E-mail: info@solitronics.com

SEL P/N	Voltage	Current	Color Typical nm	Light Output	Price per pcs
1025-2R06	6-7VAC/DC	8-15mA	Super-Red 660nm	1007-1180mcd	US\$0.60
1025-2Y06	6-7VAC/DC	8-15mA	Super-Yellow 586nm	960-1800mcd	US\$0.65
1025-2G06	6-7VAC/DC	8-15mA	Super-Green 520nm	810-1350mcd	US\$1.30
1025-2G06D	6-7VAC/DC	8-15mA	Diffused-Green 569nm	106-199mcd	US\$0.65
1025-2B06	6-7VAC/DC	8-15mA	Super-Blue 468nm	900-1687mcd	US\$1.30
1025-2W06	6-7VAC/DC	8-15mA	Super-White 0.3x0.3y	600-1125mcd	US\$1.45
1025-2R12	12-14V AC/DC	8-15mA	Super-Red 666nm	1007-1180mcd	US\$0.60
1025-2Y12	12-14V AC/DC	8-15mA	Super-Yellow 585nm	960-1800mcd	US\$0.65
1025-2G12	12-14V AC/DC	8-15mA	Super-Green 520nm	810-1350mcd	US\$1.30
1025-2G12D	12-14V AC/DC	8-15mA	Diffused-Green 569nm	106-199mcd	US\$0.65
1025-2B12	12-14V AC/DC	8-15mA	Super-Blue 468nm	900-1687mcd	US\$1.30
1025-2W12	12-14V AC/DC	8-15mA	Super-White 0.3nm	600-1125mcd	US\$1.45
1025-2R24	24-28V AC/DC	6-10mA	Super-Red 666nm	700-1250 mcd	US\$0.60
1025-2Y24	24-28V AC/DC	6-10mA	Super-Yellow nm	700 mcd	US\$0.65
1025-2G24	24-28V AC/DC	6-10mA	Super-Green nm	950 mcd	US\$1.30
1025-2G24D	24-28V AC/DC	6-10mA	Diffused-Green nm	260 mcd	US\$0.65
1025-2B24	24-28V AC/DC	6-10mA	Super-Blue nm	900 mcd	US\$1.30
1025-2W24	24-28V AC/DC	6-10mA	Super-White nm	450-750 mcd	US\$1.45

7. Remarks

Super-bright Green, Super-Bright Blue and Super-Bright White are sensitive to electrostatic electricity, a bleeding resistor of 470K across lamp holder is recommended in environments with possible presence of static electricity.

Due to continuous development, all specifications are subject to change without prior notice



SOLITRONICS ENGINEERING LTD.

TEL: (852) 2730-8145

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E-mail: info@solitronics.com

SUPER HIGH BRIGHTNESS LED SIGNAL-LAMP

Date:

14th September 2002

T-10x25mm E-10/13 Super-Bright LED Signal lamp
For 6-7V AC/DC, 12-15V AC/DC & 24V AC/DC

Data Sheet:

SEL-1025-1-LED-6-24V

1. Features

Super High-Brightness LED Signal lamps
Shock-Resistant & High Reliability
Low-power consumption
Long Life-expectancy

2. Physical Size

Diameter: 10.0mm + 0/ -1.0mm

Length: 25.0mm + 0/ -1.5mm

3. Lamp Base

Miniature Screw Base

IEC E-10/13mm

4. Lamp Type

High-brightness diode protected
LED signal lamp for AC/DC operation.
Polarization: Center-contact = + ve terminal.

Center-contact must be
connected to positive-
terminal of DC supply.

Actual Size

5. Applications

For 22Ømm pilot light, lift-indicators, etc.

6. Electrical Rating

Solitronics Engineering Ltd E-mail: info@solitronics.com

SEL P/N	Voltage	Current	Color Typical nm	Light Output	Price per pcs
1025-1R06	6-7VAC/DC	8-15mA	Super-Red 660nm	1007-1180mcd	US\$0.60
1025-1Y06	6-7VAC/DC	8-15mA	Super-Yellow 586nm	960-1800mcd	US\$0.65
1025-1G06	6-7VAC/DC	8-15mA	Super-Green 520nm	810-1350mcd	US\$1.30
1025-1G06D	6-7VAC/DC	8-15mA	Diffused-Green 569nm	106-199mcd	US\$0.65
1025-1B06	6-7VAC/DC	8-15mA	Super-Blue 468nm	900-1687mcd	US\$1.30
1025-1W06	6-7VAC/DC	8-15mA	Super-White 0.3x0.3y	600-1125mcd	US\$1.45
1025-1R12	12-14V AC/DC	8-15mA	Super-Red 666nm	1007-1180mcd	US\$0.60
1025-1Y12	12-14V AC/DC	8-15mA	Super-Yellow 585nm	960-1800mcd	US\$0.65
1025-1G12	12-14V AC/DC	8-15mA	Super-Green 520nm	810-1350mcd	US\$1.30
1025-1G12D	12-14V AC/DC	8-15mA	Diffused-Green 569nm	106-199mcd	US\$0.65
1025-1B12	12-14V AC/DC	8-15mA	Super-Blue 468nm	900-1687mcd	US\$1.30
1025-1W12	12-14V AC/DC	8-15mA	Super-White 0.3nm	600-1125mcd	US\$1.45
1025-1R24	24-28V AC/DC	6-10mA	Super-Red 666nm	700-1250mcd	US\$0.60
1025-1Y24	24-28V AC/DC	6-10mA	Super-Yellow nm	700 mcd	US\$0.65
1025-1G24	24-28V AC/DC	6-10mA	Super-Green nm	950 mcd	US\$1.30
1025-1G24D	24-28V AC/DC	6-10mA	Diffused-Green nm	260 mcd	US\$0.65
1025-1B24	24-28V AC/DC	6-10mA	Super-Blue nm	900 mcd	US\$1.30
1025-1W24	24-28V AC/DC	6-10mA	Super-White nm	450-750 mcd	US\$1.45

7. Remarks

Super-bright Green, Super-Bright Blue and Super-Bright White are sensitive to electrostatic electricity, a bleeding resistor of 470K across lamp holder is recommended in environments with possible presence of static electricity.

Due to continuous development, all specifications are subject to change without prior notice

SOLITRONICS ENGINEERING LTD.

TEL: (852) 2730-8145

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E-mail: info@solitronics.com

SUPER HIGH BRIGHTNESS LED SIGNAL-LAMP

Date:

23rd September 2002

T-10x25mm BA9s Super-Bright LED Signal lamps for 48-60V AC/DC

Data Sheet:

SEL-1025-2-LED-48-60V

1. Features

Super High-Brightness LED Signal lamps
Shock-Resistant & High Reliability
Low-power consumption
Long Life-expectancy

2. Physical Size

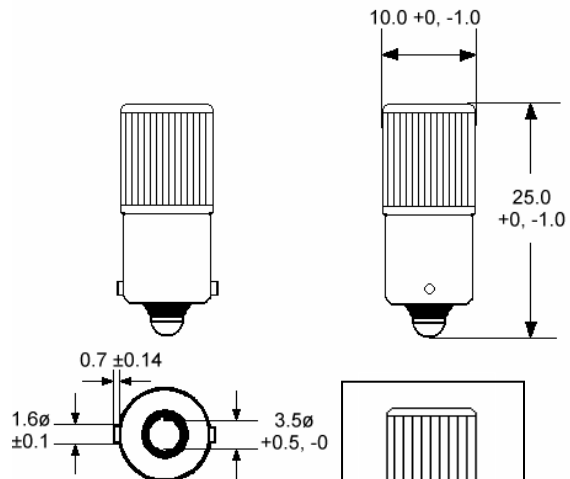
Diameter: 10.0mm + 0 / -1.0mm
Length: 25.0mm + 0 / -1.5mm

3. Lamp Base

Miniature Bayonet Din 49712 BA9S

4. Lamp Type

**High-brightness single LED with built-in
Series-resistor and with diode protection
Polarization on DC operation
(Center-Contact = Positive terminal)**



When used on 48-60V DC, positive terminal must be connected center contact of lamp base.

Actual Size

5. Applications

For 220mm pilot lights, lift-indicators, etc.

Solitronics Engineering Ltd E-mail: info@solitronics.com

6. Electrical Rating

[illegible]

7. Remarks

Super-Green, Super-Blue and Super-white are sensitive to electrostatic electricity. Bleeding resistor of 330K to 470K ohm is recommended across lamp holder.

Due to continuous development, all specifications are subject to change without prior notice



SOLITRONICS ENGINEERING LTD.

TEL: (852) 2730-8145

FAX: (852) 2730-3245

E-mail: info@solitronics.com

High-Bright LED Signal lamp with Fresnel Ring Lens

Date: 26th August 1999

HIGH-VOLTAGE T-10x25mm LED BA9s For 130V AC & 240 V AC 50/60Hz

Data Sheet:

SEL-1025-2-LED-130-230V

1. PHYSICAL SIZE

Diameter: 10.0mm + 0 / -1.0mm

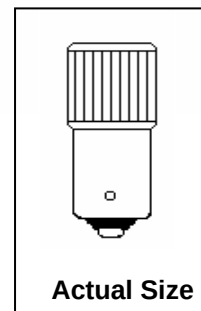
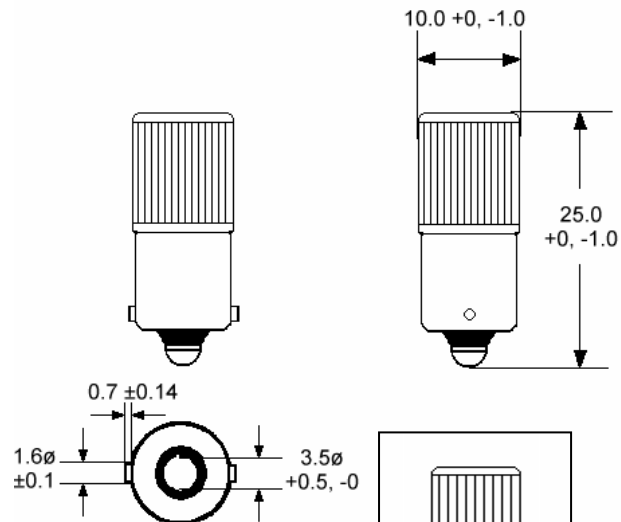
Length: 25.0mm + 0 / -1.5mm

2. BASE

Miniature Bayonet
Din 49712 BA9S

3. LAMP TYPE

High Brightness LED with internal series-resistor and with protection diode.
for 130V AC only and 230V AC only.



4. ELECTRICAL RATING

SEL P/N	Voltage	Current	Color	Typical Brightness
1025-2R130	130V AC only	3mA AC	Super-Bright Red 660nm	378mcd
1025-2G130	130V AC only	3mA AC	#Super-Bright Green 525nm	405mcd
1025-2Y130	130V AC only	3mA AC	Super-Bright Yellow 586nm	360mcd
1025-2B130	130V AC only	3mA AC	#Super-Bright Blue 470nm	337mcd
1025-2W130	130V AC only	3mA AC	#Super-White 0.3x0.3y	150-450mcd
1025-2R240	240V AC only	2mA AC	Super-Bright Red 660nm	370mcd
1025-2G240	240V AC only	2mA AC	#Super-Bright Green 525nm	405mcd
1025-2Y240	240V AC only	2mA AC	Super-Bright Yellow 586nm	360mcd
1025-2B240	240V AC only	2mA AC	#Super-Bright Blue 470nm	337mcd
1025-2W240	240V AC only	2mA AC	#Super-Bright White 0.3x0.3y	150-450mcd

Remarks:

Indicates static-sensitive device and the use of 470K 1/6W bleeding resistor across lamp socket is recommended when used in environment where there is possibility of presence of static electricity.

On request, we can supply 470K 1/6W resistor for these lamps at no extra-charge

Due to continuous development, all specifications are subject to change without prior notice.