

SPECTRUM DEVICES**T 3-1/4 MINIATURE LEDS**

FEATURES: DIRECT INCANDESCENT REPLACEMENT,HIGH SHOCK/VIBRATION RESISTANCE,LOW POWER CONSUMPTION, CHOICE OF 8 COLORS,WIDE VIEWING ANGLE,100,000 HR LIFE.

REPLACABLE INCANDESCENTS:13,14,27,31,40,41,46,48,50, 52,222,223,245,406,407,428,430,432,502,605,965,1446,1447,1449 1477,1483,1487,1821,1832 ,PR2,PR3,PR4,PR6,PR7,PR8,PR13, PR15,PR16,PR18,PR20 etc etc..

SPECIALS: FLASHING,BI-COLORS,CONSTANT/LOW CURRENT ETC.WHEN REPLACING INCANDESCENTS,SPECIFY BUL.#,CENTER CONTACT POLARITY & OPERATING VOLTAGE (AC/DC?).

**OPTICAL DATA at 25 deg C and 20mA****COLORS**

PARAMETERS	UR	HR	O	Y	G	PG	BL	WHT	UNITS
INTENSITY. PER 6 CHIPS PER 3MM LED: PER 5MM LED	130 120 : 160	51 70 : 90	45 70 : 90	48 70 : 90	78 60 : 80	37 30 : 50	11 6 : 10	78 NA	med med
PEAK WAVELENGTH	660	635	610	585	570	555	470	590	nM
VIEW ANGLE. LED : 6 CHIP	40 : 160	40 : 160	40 : 160	40 : 160	40 : 160	40 : 160	40 : 160	NA : 160	deg

ELECTRICAL DATA at 25 deg C**VOLTAGES**

PARAMETERS	5V	6V	12V	24V	28V	48V	60V	120VAC	UNITS
CURRENT 3MMLED:5MMLED 6CHIP	75 : 90 50	75 : 90 50	50 : 60 35	22 : 30 20	22 : 30 20	20 : 25 15	20 : 20 15	12 : 12 8	mA mA
POWER. 3MM LED : 5MM LED 6 CHIP	375 : 450 250	450 : 540 300	600 : 720 420	530 : 720 480	620 : 840 560	960 : 1200 720	1.2k:1.2k 900	1.4k:1.4k 1100	mW mW

TEMPERATURE: STORAGE TEMP: -30 TO + 100 DEG C . OPERATING TEMP : -30 TO +60 DEG C

PART NUMBERING SYSTEM

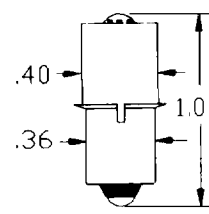
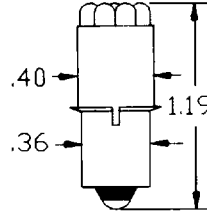
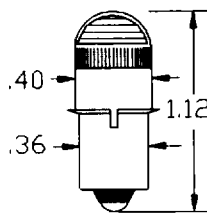
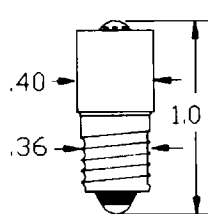
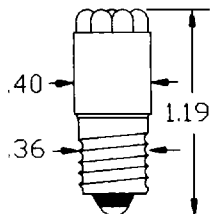
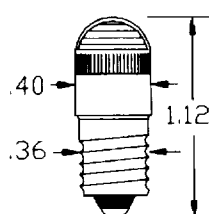
E106	HR	28V	P
MODEL SELECT ONE FROM FIGURE.	COLORS UR=ULTRA RED,HR=HI-EFF RED, O=ORANGE Y=YELLOW,G=GREEN,PG=PURE GREEN BL=BLUE,WHT=WHITE	VOLTAGE 5V ,6V ,12V ,24V ,28V ,48V ,60V, 120VAC ETC.CALL FOR OTHERS.	CENTER POLARITY N = NEGATIVE P = POSITIVE BP = BI-POLAR(WORKS ON BOTH -VE AND +VE).

MINIATURE SCREW**MINIATURE FLANGE**

E1006=6CHIP

E10C7=7LED
E10C6=6LEDE101=1LED
E106=6CHIP

F906=6CHIP

F9C7=7LED
F9C6=6LEDF91=1LED
F96=6CHIP

3mm Leds

5mm Led

3mm Leds

5mm Led