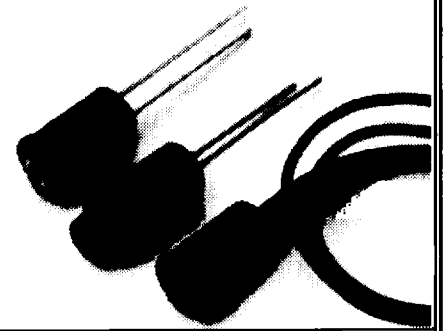


SPECTRUM DEVICES. SNAP-IN PANEL LED FOR 0.246" to 1/4"HOLE

FEATURES: PLASTIC CONSTRUCTION, LOW POWER CONSUMPTION, 100,000 HRS LIFE, HI-SHOCK/VIBRATION RESISTANCE, CHOICE OF 7 COLORS, WIDE OR NARROW ANGLE, UPTO 48V AC/DC OPERATING VOLTAGE..ETC

SPECIALS: FLASHERS, INFRA-REDS, LOW CURRENT, 6-CHIP ETC ETC

HOUSING: UL94-VO BLACK NYLON.



OPTICAL DATA at 25 deg C and 20mA.

COLORS

PARAMETERS	UR	HR	O	Y	G	PG	BL	WHT	UNITS
TYP INTENSITY CLEAR:DIFF	160 : 30	90 : 24	90 : 24	90 : 24	80 : 24	50 : 15	10 : 2		mcd
PEAK WAVELENGTH	660	635	610	585	570	555	470		nM
VIEWING ANGLE CLEAR:DIFF	30 : 60	30 : 60	30 : 60	30 : 60	30 : 60	30 : 60	30 : 60		deg

ELECTRICAL DATA at 25 deg C

VOLTAGES

PARAMETERS	5V	6V	12V	24V	28V	48V			UNITS
TYPICAL CURRENT	30	30	25	20	20	15			mA
TYP POWER CONSUMPTION	150	180	300	480	560	720			mW

TEMPERATURE: STORAGE TEMP: -30 TO +100 DEG C. OPERATING TEMP: -30 TO +70 DEG C.

PART NUMBERING SYSTEM

SP240W	D	HR	28V
MODEL SELECT ONE FROM FIGURES BELOW.	LENS TYPE D= DIFFUSED (WIDE ANGLE) C= CLEAR TINTED (NARROW ANGLE)	COLOR UR=ULTRA-RED, HR=HI-EFF RED, O=ORANGE, Y=YELLOW, G= GREEN PG= PURE GREEN, BL= BLUE HR/G =BI-COLOR /TRI-COLOR HI-EFF RED+GREEN.TO FORM YELLOW,LIGHT RED+ GREEN ALTERNATELY AT f=30Hz MIN.	VOLTAGE 5V, 6V, 12V, 24V, 28V 48V, ETC. CALL FOR OTHERS. FOR LED WITHOUT RESISTOR, USE "NR" IN P/N HERE.

WIRE COLORS:FOR SINGLE COLOR LEDS, RED=ANODE AND BLACK=CATHODE.FOR TWO TERMINAL BI-COLOR LEDS, ANODES ARE CONNECTED TO COLOR MATCHED WIRES(RED WIRE TO RED ANODE, GREEN WIRE TO GREEN ANODE).

HOLE SIZE: THESE LEDS FIT IN "D" DRILL SIZE TO 1/4" HOLES.FOR A SNUG FIT USE "D" SIZE.

