

# LED ARRAYS

L-132CB

## MULTI-LED ARRAYS

This unique range of Multi-LED Arrays provides a choice of 2, 3, 4 or 5 segment LED lamp units all housed in black bezels. Being fully end stackable and thereby enabling multiple arrays of any number of segments to be assembled, the housings are designed to be push fit into appropriately dimensioned panel cut-outs.

Available in any combination, the diffused lens range is red, green and yellow behind which can be housed red (GaP), green (GaP) or yellow (GaAsP/GaP) LED's.

### LUMINOUS INTENSITY @ 25°C

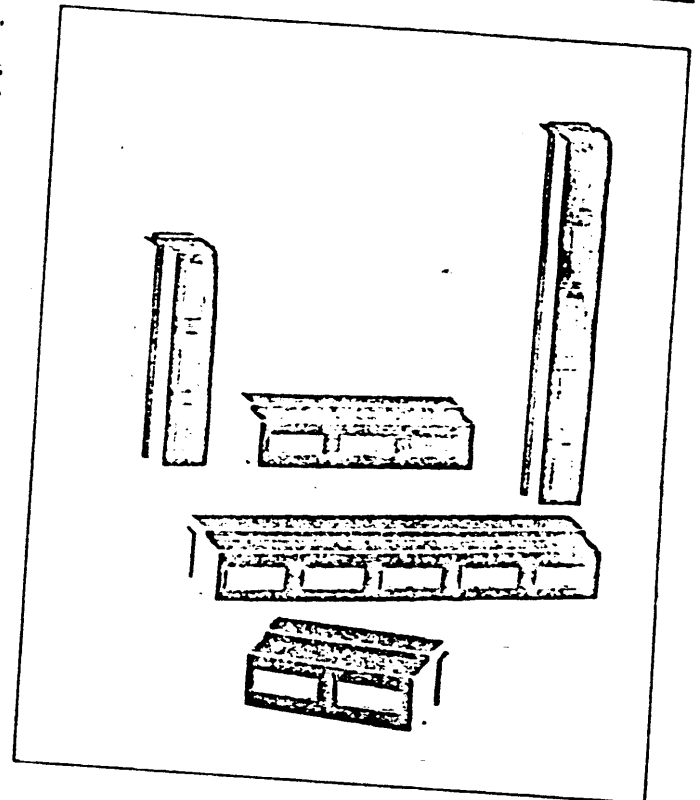
Lens	Source Colour	Luminous Intensity mcd @ 20mA		LED Order Code
		Min.	Typ	
Red Diffused	Red GaP	0.8	1.2	HD
Yellow Diffused	Yellow GaAsP/GaP	1.0	1.5	YD
Green Diffused	Green GaP	0.8	1.1	GD

### OPERATING CHARACTERISTICS @ 25°C

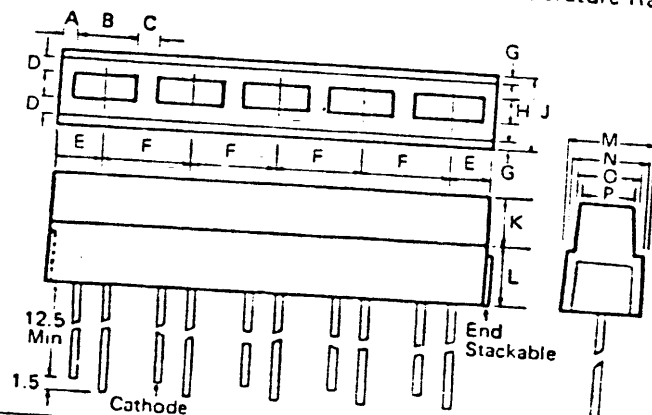
Parameter	Condition	Red-H	Green	Yellow	Unit
Forward Voltage $V_F$ Typ	$I_F = 20\text{mA}$	2.0	2.2	2.1	V
Forward Voltage $V_F$ Max	$I_F = 20\text{mA}$	2.8	2.8	2.8	V
Reverse Current $I_R$	$V_R = 5\text{V}$	100	100	100	$\mu\text{A}$
Wave Length @ Peak Emission $\lambda_p$	$I_F = 20\text{mA}$	695	565	585	nm
Spectral Line Half-Width $\Delta\lambda$	$I_F = 20\text{mA}$	90	30	35	nm

### ABSOLUTE MAXIMUM RATINGS @ 25°C

Parameter	Red-H	Green	Yellow	Unit
Reverse Voltage $V_R$	5	5	5	V
Average Forward Current $I_{F(AV)}$	20	30	30	mA
Peak Forward Current $I_{FSM}$ (Duty 1, 1KHz)	150	150	150	mA
Power Dissipation $P_T$	120	105	105	mW
Derating Linear from 50°C	0.35	0.7	0.7	mW/°C



Lead Solder Temperature (1.6mm from Body) 230°C for 5 secs.  
 Operating Temperature Range  $T_A$  -40°C to +80°C  
 Storage Temperature Range  $T_{STG}$  -40°C to +80°C



Dim.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
m.m.	0.8	5.4	1.6	1.4	3.5	7.0	6.7	1.95	6.1	4.1	4.5	6.13	6.0	4.8	4.68

### ORDERING DETAILS

Single Colour Arrays of 2, 3, 4 or 5 LED's:  
 Specify L-132CB 2. Add the number of LED's in array 3. Add LED Order Code  
 Example L-132CB-4YD is a four element yellow array

Note: Multi-Colour Arrays and White Bezel units are available to special order

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