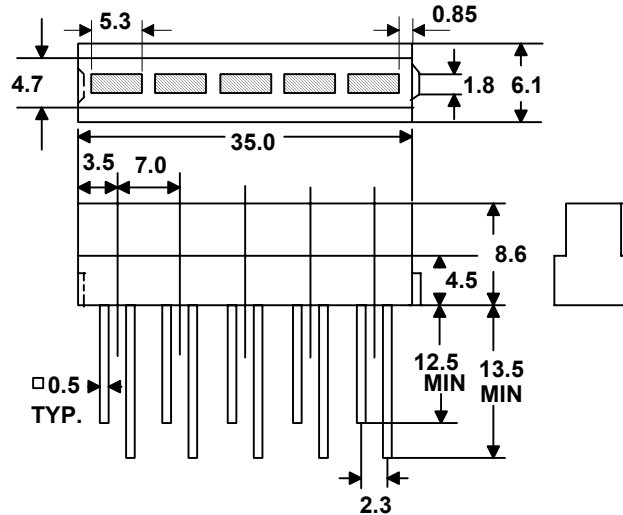


LED Bar Array **LA18B/X Series**

Package Dimensions



note:1. all dimension are in millimeter tolerance is $\pm 0.25\text{mm}$
2. protruded resin under flange is 1.5mm max

• Part selection and electro-optical characteristics (Ratings @Ta= 25°C)

PART NO	MATERIAL	COLOUR		peak wave length λ Pnm	spectral halfwidth $\Delta\lambda$ nm	forward voltage @20mA(v)		luminous intensity @10mA(mcd)		viewing angle 2 θ 1/2 (deg)
		Emitted	Lens			Min	Max	Min	Typ.	
LA18B/5H	GaP	Red	Red diffused	697	90	1.7	2.8	0.9	1.5	166
LA18B/5G	GaP	Green	Green diffused	565	30	1.7	2.8	1	2.2	166
LA18B/5Y	GaAsP/GaP	Yellow	Yellow diffused	585	35	1.7	2.8	2	3	166
LA18B/5E	GaAsP/GaP	Orange	Orange diffused	635	45	1.7	2.8	2	3	166
LA18B/5I	GaAsP/GaP	He-Red	Red diffused	630	45	1.7	2.8	2	3	166

• Absolute maximum ratings (Ta=25°C)

PARAMETER	RED		GREEN		YELLOW		ORANGE	UNIT	REMARK
	I	H		G		Y	E		
Forward current	30	15		30		20		30	mA
Peak current duty 1/10 @1khz	120	60		120		80		120	mA
Power dissipation	80		40	100	60		100		mW
Reverse current @5v	100			100	100		100		μA
Operating temp	-40°C TO +85°C								
Storage temp	-40°C TO +100°C								

Lead soldering temperature 260°C for 5 seconds (2.0mm from body)

Other colour permutations are available on request
Specifications may be subject to change without notice