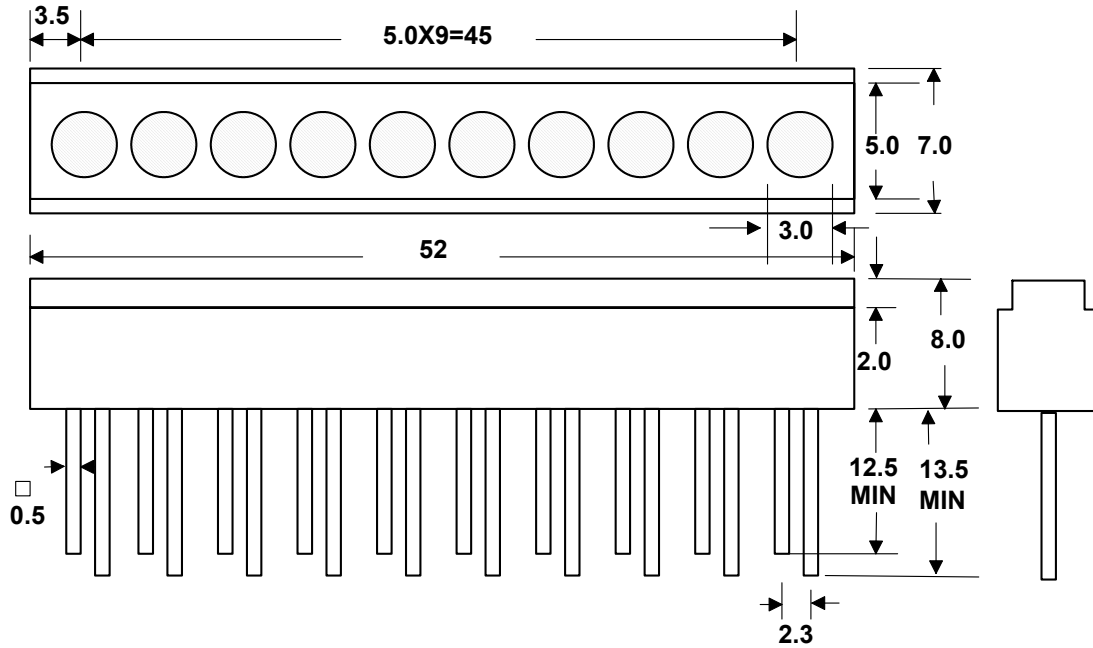


LED ARRAY

LA09B/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.	
LA09-10R	GaAsP	Red	Red diffused	655	40	1.5	2.0	0.3	0.5	116
LA09-10H	GaP	Red	Red diffused	697	90	1.7	2.8	0.5	0.8	116
LA09-10G	GaP	Green	Green diffused	565	30	1.7	2.8	3	5	116
LA09-10Y	GaAsP/GaP	Yellow	Yellow diffused	585	35	1.7	2.8	1.8	3	116
LA09-10E	GaAsP/GaP	Orange	Orange diffused	635	45	1.7	2.8	2.5	4.0	116
LA09-10I	GaAsP/GaP	Red	Red diffused	630	45	1.7	2.8	2.5	4.0	116

• Absolute maximum ratings (Ta=25°C)

PARAMETER	RED			GREEN		YELLOW		ORANGE		UNIT	REMARK
	SR	R	H		G		Y	A	I		
forward current	40	40	15		30		20		30	30	mA
peak current duty 1/10 @1khz	200	200	60		120		80		120	120	mA
power dissipation	80		40	100		60		100			mW
reverse current @5v	10			10		10		10			μA
operating temperature	-40°C TO +85°C										
storage temperature	-40°C TO +100°C										

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

Specifications may be subject to change without notice