

ALPHA-NUMERIC LED DISPLAY

Description of Part Number



Characteristics by Color

Ta=25°C

Size	Part No.	Material (Emitted color)	✧	Absolute Maximum Ratings						Electro-Optical Characteristics								Derating
				Power Dissipation Pd	Forward current If	Peak Forward current IfM	Reverse Voltage VR	Operating Temp. Topr	Storage Temp. Tstg	Forward Voltage VF			Reverse Current IR		Wavelength λp			
										TYP.	MAX.	IF	MAX.	VR	TYP.	VR	λIF	
25	AAR	GaAlAs (Red)	1	50	25	100	4	-20~+85	-20~+100	1.7	2.0	20	100	4	660	20	0.33	
			2	100			8			3.4	4.0			8				
	AAA	GaAsP (Orange)	1	60	25	100	4	-20~+85	-20~+100	2.2	2.5	20	100	4	605	20	0.33	
			2	120			8			4.4	5.0			8				
50	AAR	GaAlAs (Red)	4	200	40	200	8	-30~+70	-30~+80	1.7	2.0	40	20	8	660	40	0.66	
			2	100	20	100						20	10			20	0.33	
	AAA	GaAsP (Orange)	4	200	40	200	8	-30~+70	-30~+80	2.1	2.5	40	20	8	605	40	0.66	
			2	100	20	100						20	10			20	0.33	
mm	Units			mW	mA	mA	V	°C		V		mA	μA	V	nm	mA	mA/°C	

Characteristics by Shape (25/50 mm TYPE)

Ta=25°C

Case Size Size (WXH)	Shape	Part No.	Emitted Color	✧	Luminous Intensity Iv					fig.
		Anode Common			Rank B		Rank C		I _F	
					MIN.	TYP.	MIN.	TYP.		
22.8 X 33		AAR101	Red	1	6	12	12	15	20	20
				2	12	24	24	30		
		AAA101	Orange	1	2	4	—	—	20	
				2	4	8	—	—		
40 X 74		AAR121	Red		4	6	—	—	40✧	21
		AAA121	Orange		2	3	—	—	40✧	
mm		Units			mcd					mA

✧ 20 mA/segment is for segments A,B,E,F,U and P.

Package Dimensions

unit : mm

Tolerance : ±0.25mm

