



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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ALPHA-NUMERIC LED DISPLAY

Description of Part Number



Characteristics by Color

T_a = 25 °C

Size	Part No.	Material (Emitted color)	ϕ	Absolute Maximum Ratings						Electro-Optical Characteristics							
				Power Dissipation Pd	Forward current I _F	Peak Forward current I _{FM}	Reverse Voltage V _R	Operating Temp. Topr	Storage Temp. Tstg	Forward Voltage V _F		Reverse Current I _R		Wavelength λ _p		Derating I _F	
										TYP.	MAX.	I _F	MAX.	V _R	TYP.		V _R
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						3.4	4.0						
	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						4.4	5.0						
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
	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
mm	Units		mW	mA	mA	V	°C	°C	V	mA	µA	V	nm	mA	mA/°C		

Characteristics by Shape (25/50 mm TYPE)

T_a = 25 °C

Case Size (WXH)	Shape	Part No.	Emitted Color	ϕ	Luminous Intensity I _v						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 ϕ	21		
		AAA121	Orange	2	3	—	—	40 ϕ			
										Units	mod

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

Package Dimensions

unit: mm

Tolerance : ±0.25mm

