

OF TYPE NO.

Alpha
Numer

A

▼CHARACTERISTICS BY COLOR

 $T_a = 25^\circ\text{C}$

Size	Type No.	Material (Emitted color)	λ _e	Absolute Maximum Ratings						Electro-Optical Characteristics							
				Power Dissipation Pd	Forward current I _F	Peak Forward current I _{FM}	Reverse Voltage V _R	Operating Temp. T _{Op}	Storage Temp. T _{Stg}	Forward Voltage V _F		Reverse Current I _R		Wavelength λ _p		Derating ΔI _R	
										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	0.4
	2		100	8			3.4			4.0	8						
	AAG	GaP (Pure Green)	1	60	25	100	4	-20~+85	-20~+100	2.2	2.5	20	100	4	555	20	0.33
	2		120	8			4.4			5.0	8						
	AAY	GaAsP/GaP (Yellow)	1	60	25	100	4	-20~+85	-20~+100	2.2	2.5	20	100	4	580	20	0.33
	2		120	8			4.4			5.0	8						
	AAA	GaAsP/GaP (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	50	240	8	-30~+70	-30~+80	3.4	4.0	40	20	8	40	0.66	
	2		100	25	120	20				10	8	20	0.33				
	AAG	GaP (Pure Green)	4	200	40	200	8	-30~+70	-30~+80	4.2	5.0	40	20	8	555	40	0.66
	2		100	20	100	20				10	8	20	0.33				
	AAY	GaAsP/GaP (Yellow)	4	200	40	200	8	-30~+70	-30~+80	4.2	5.0	40	20	8	580	40	0.66
	2		100	20	100	20				10	8	20	0.33				
	AAA	GaAsP/GaP (Orange)	4	200	40	200	8	-30~+70	-30~+80	4.2	5.0	40	20	8	605	40	0.66
	2		100	20	100	20				10	8	20	0.33				
mm		Units		mW	mA	mA	V	°C		V	mA	mA	V	nm	mA	mA	

● Rating and specifications are for each segment.

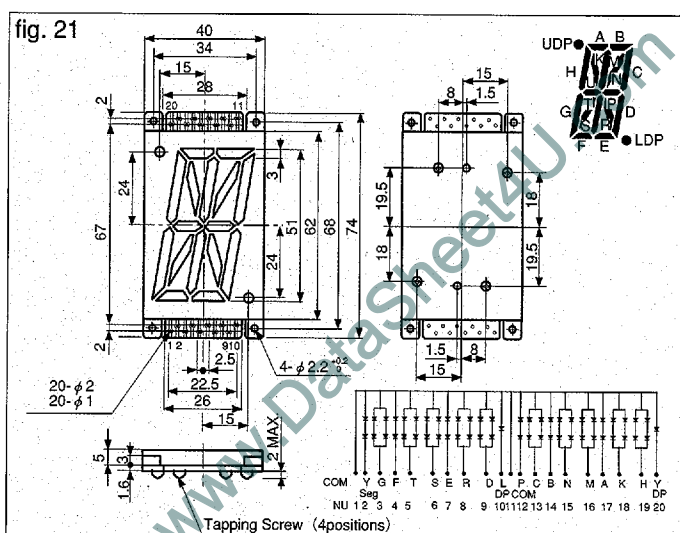
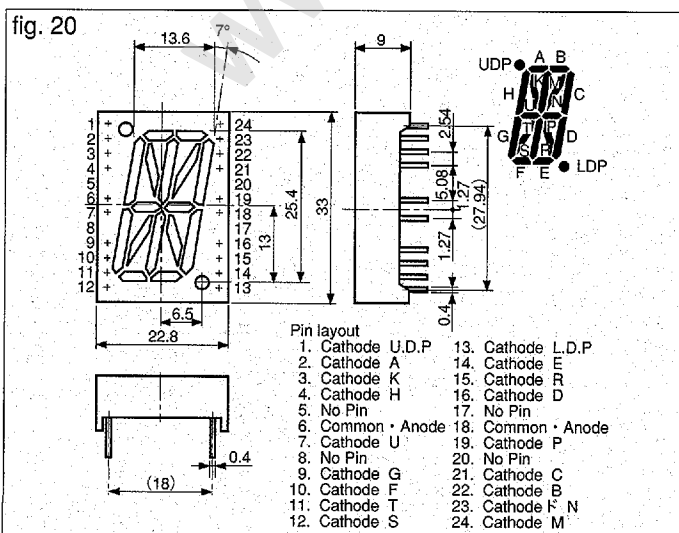
▼CHARACTERISTICS BY SHAPE (25/50 mm TYPE)

 $T_a = 25^\circ\text{C}$

Case Size (W×H)	Shape	Type No.		Emitted Color	※	Luminous Intensity Iv								fig.
		Anode Common	Cathode Common			Rank A		Rank B		Rank C		IF		
						MIN.	TYP.	MIN.	TYP.	MIN.	TYP.			
22.8 × 33		AAR101/103	AKR101/103	Red	1	3	6	6	12	12	15	20		
					2	6	12	12	24	24	30			
		AAG101/103	AKG101/103	Green	1	0.5	1	1	2	—	—	20		
					2	1	2	2	4	—	—			
		AAY101/103	AKY101/103	Yellow	1	1	2	2	4	—	—	20		
					2	2	4	4	8	—	—			
		AAA101/103	AKA101/103	Orange	1	1	2	2	4	—	—	20		
					2	2	4	4	8	—	—			
40 × 74		AAR121	AKR121	Red	—	—	4	6	—	—	40※			
					—	—	1	1.5	—	—				
		AAG121	AKG121	Green	—	—	2	3	—	—	40※			
					—	—	2	3	—	—				
		AAY121	AKY121	Yellow	—	—	2	3	—	—	40※			
					—	—	2	3	—	—				
		AAA121	AKA121	Orange	—	—	2	3	—	—	40※			
					—	—	2	3	—	—				
mm	Units				mm		mm		mm					

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

▼DIMENSIONS Unit : mm



- Common cathode types have a reverse polarity
- Tolerance: ± 0.25 mm.