■ SUPER BRIGHT LED NUMERIC DISPLAY

NRG105 / NRG107 Series

Arrow Feather Type 25mm

■ Absolute Maximum Ratings

Ta = 25°C

		Red	Red	Unit
		NARG		
Power Dissipation	Pb	80	96	mW
Forward Current	IF	20		mA
Peak Forward Current	IFM	40		mA
Reverse Voltage	VR	4		V
Operating Temp.	Topr	-30~+70		°C
Storage Temp.	Tstg	-30~+80		°C
Derating *	ΔIF	0.33		mA/°C

* The current derating for operation applies when temperature is above 25°C.
• IFM Condition : tw ≦ 1msec, Duty ≦ 1/20

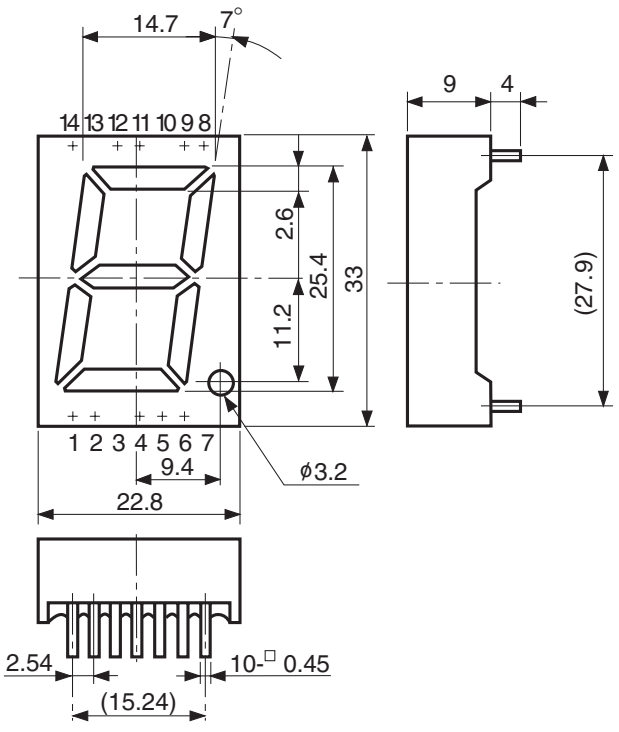
■ Electro-Optical Characteristics

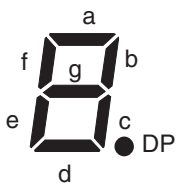
Ta = 25°C

Part No.				Chip		Luminous Intensity Iv			Wavelength λp		Forward Voltage VF			Reverse Current IR	
Anode Common		Cathode Common													
Black	Grey	Black	Grey	Material	Emitted Color	MIN	TYP	IF	TYP	IF	TYP	MAX	IF	MAX	VR
NARG105	NARG107	—	—	GaAlAs	Red	2	4	10	660	10	3.4	4.0	10	100	4
				GaP	Green	2	4	10	570	10	4.0	4.8	10	100	4
Units						mcd	mcd	mA	nm	mA	V	V	mA	μA	V

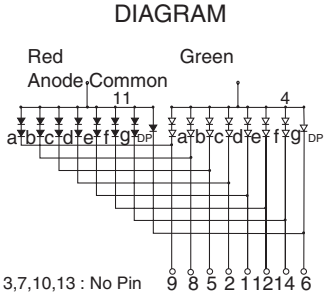
■ Package Dimensions

Unit : mm





DIAGRAM



Tolerance : ± 0.25mm

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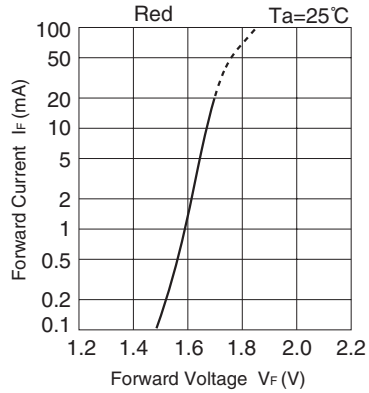
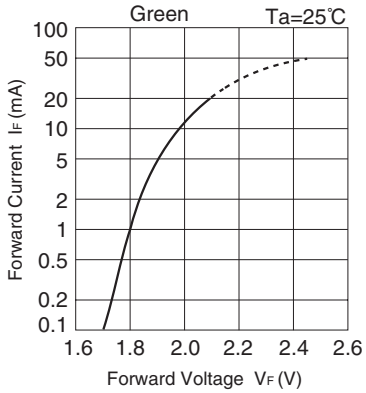
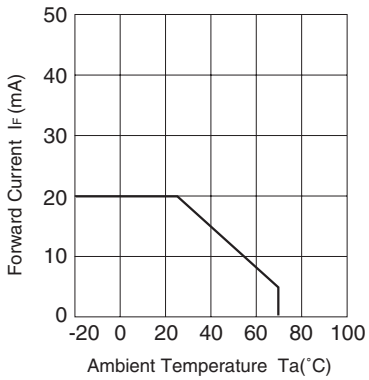
■ Forward Voltage vs. Forward Current

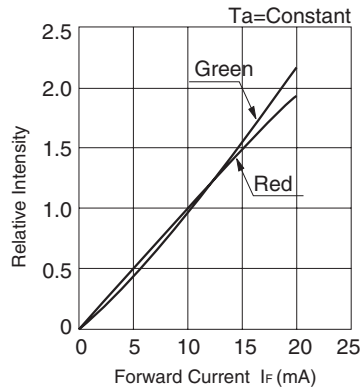




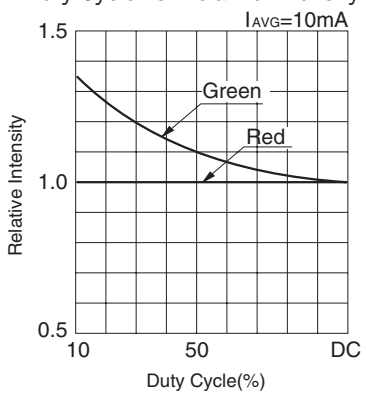
■ Ambient Temperature vs. Maximum Forward Current



■ Forward Current vs. Relative Intensity



■ Duty Cycle vs. Relative Intensity



■ Duty Cycle vs. Maximum Forward Current