■ SUPER BRIGHT LED NUMERIC DISPLAY

N□RG141 / N□RG143 Series

Arrow Feather Type 10mm

■ Absolute Maximum Ratings

Ta = 25°C

		Red	Green	Unit
		NARG / NKRG		
Power Dissipation	Pb	36		mW
Forward Current	IF	15		mA
Peak Forward Current	IFM	70		mA
Reverse Voltage	VR	4		V
Operating Temp.	Topr	-30~+70		°C
Storage Temp.	Tstg	-30~+80		°C
Derating *	ΔIF	0.22		mA/°C

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

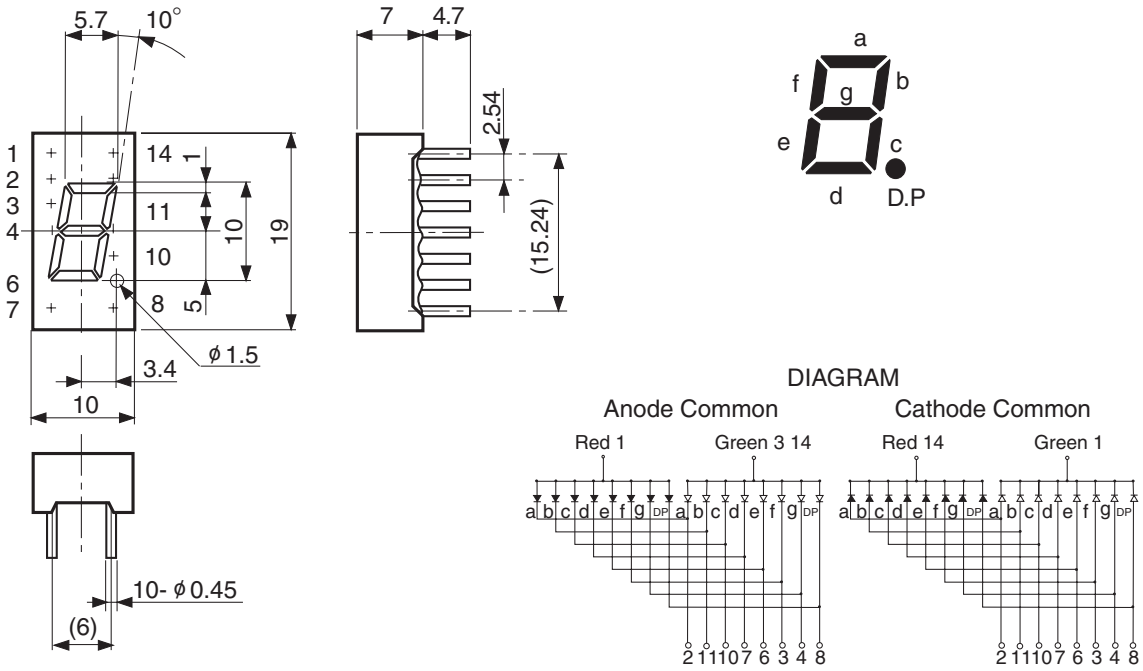
■ Electro-Optical Characteristics

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
NARG141	**NARG143**	**NKRG141**	**NKRG143**	GaAlAs	Red	1.2	2.4	10	660	10	1.7	2.0	10	20	4
				GaP	Green	1.2	2.4	10	570	10	2.0	2.4	10	20	4
Units						mcd	mcd	mA	nm	mA	V	V	mA	μA	V

■ Package Dimensions

Unit : mm



Pin No. 5,9,12, and 13 are used for Pin No. even though it is in one Common

Tolerance : ± 0.25mm

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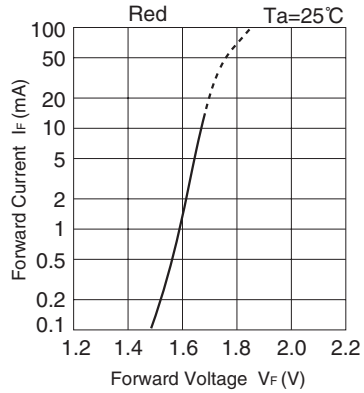
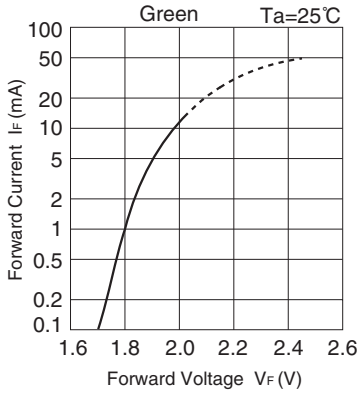
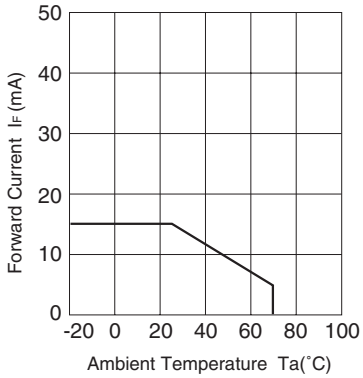
■ Forward Voltage vs. Forward Current

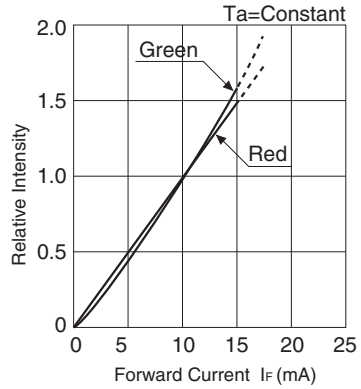




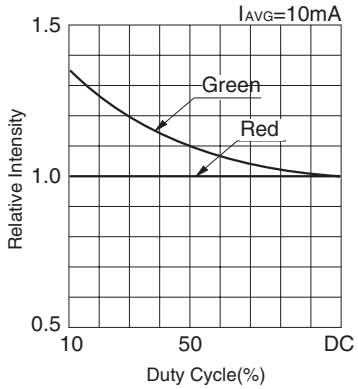
■ Ambient Temperature vs. Maximum Forward Current



■ Forward Current vs. Relative Intensity



■ Duty Cycle vs. Relative Intensity



■ Duty Cycle vs. Maximum Forward Current