



■ 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

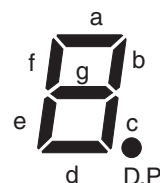
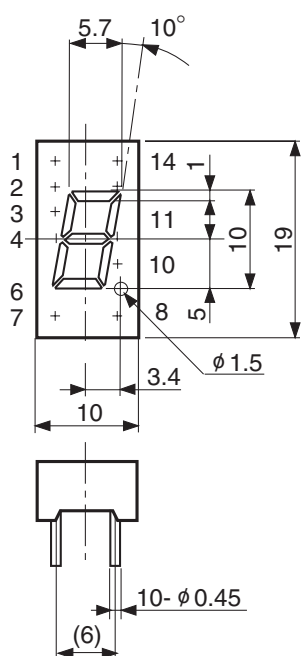
■ Electro-Optical Characteristics

Ta = 25°C

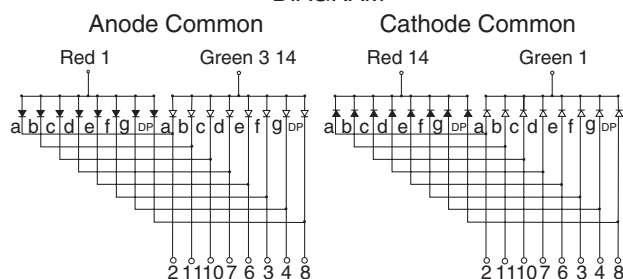
Part No.				Chip		Luminous Intensity			Wavelength		Forward Voltage			Reverse Current	
Anode Common		Cathode Common		Material	Emitted Color	Iv			λ p		VF			IR	
Black	Grey	Black	Grey			MIN	TYP	IF	TYP	IF	TYP	MAX	IF	MAX	VR
NARG141	NARG143	NKRG141	NKRG143	GaAlAs	Red	1.2	2.4	10	660	10	1.7	2.0	10	20	4
				GaP	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



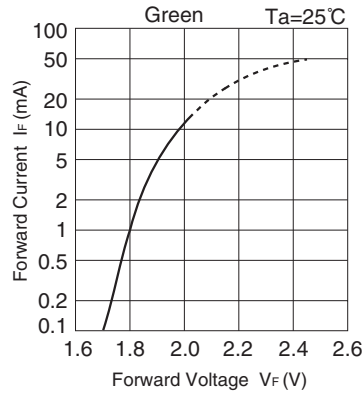
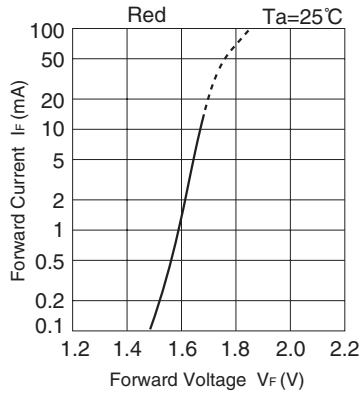
DIAGRAM



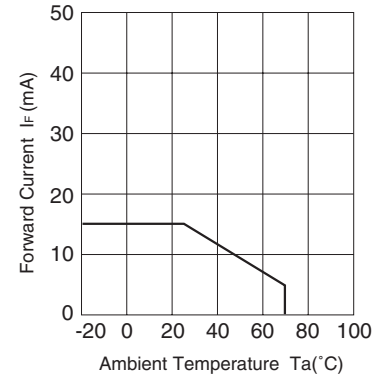
Pin No. 5,9,12, and 13 are used for Pin No. even though it is in one Common

Tolerance : ± 0.25mm

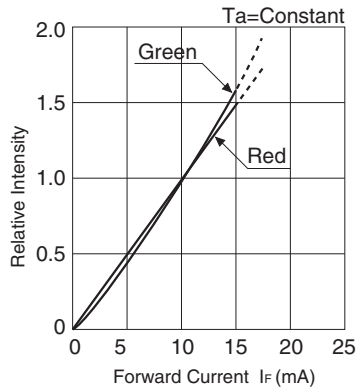
■ Forward Voltage vs. Forward Current



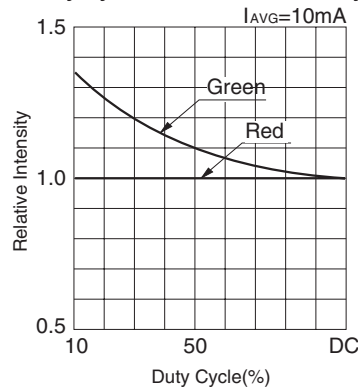
■ Ambient Temperature vs. Maximum Forward Current



■ Forward Current vs. Relative Intensity



■ Duty Cycle vs. Relative Intensity



■ Duty Cycle vs. Maximum Forward Current

