



■ Absolute Maximum Ratings

Ta = 25°C

		Red	Green	Orange	Unit
		NAR / NKR	NAG / NKG	NAA / NKA	
Power Dissipation	Pb	60	63	63	mW
Forward Current	IF	30	25	25	mA
Peak Forward Current	IFM	120	100	100	mA
Reverse Voltage	VR	4	4	4	V
Operating Temp.	Topr	-40~+85	-40~+85	-40~+85	°C
Storage Temp.	Tstg	-40~+85	-40~+85	-40~+85	°C
Derating *	ΔIF	0.41	0.34	0.34	mA/°C

* The current derating for operation applies when temperature is above 25°C.

• IFM Condition : tw ≤ 1msec, Duty ≤ 1/20

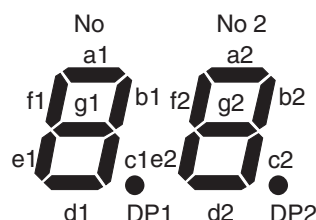
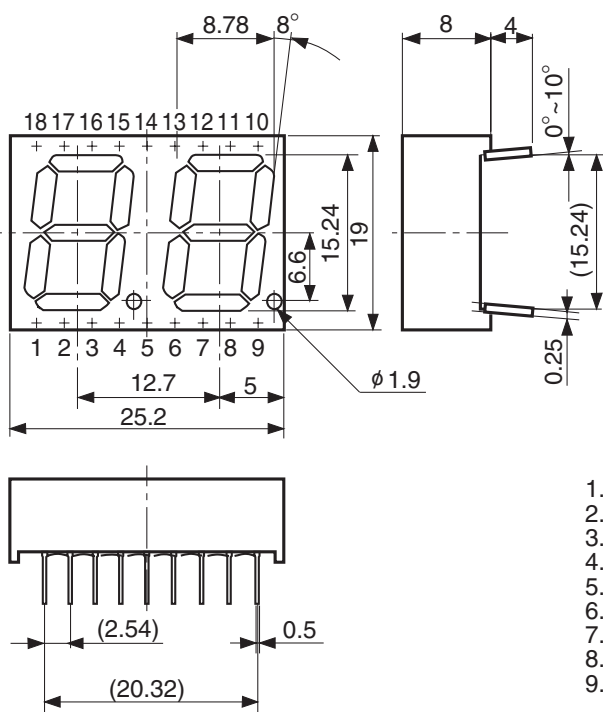
■ Electro-Optical Characteristics

Ta = 25°C

Part No.		Case Color	Chip		Lumminous Intensity Iv					Wavelength λ p		Forward Voltage VF			Reverse Current IR	
Anode Common	Cathode Common				Rank B		Rank C			IF	TYP	IF	TYP	MAX	IF	MAX
			Material	Emitted Color	MIN	TYP	MIN	TYP	IF	TYP	IF	TYP	MAX	IF	MAX	VR
NAR261	NKR261	Black	GaAlAs	Red	6	12	12	15	20	660	20	1.7	2.0	20	100	4
NAR263	NKR263	Gray														
NAG261P	NKG261P	Black	GaP	Green	2	4	—	—	20	565	20	2.2	2.5	20	100	4
NAG263P	NKG263P	Gray														
NAA261	NKA261	Black	GaAsP	Orange	4	8	—	—	20	605	20	2.2	2.5	20	100	4
NAA263	NKA263	Gray														
Units					mcd	mcd	mcd	mcd	mA	nm	mA	V	V	mA	μA	V

■ Package Dimensions

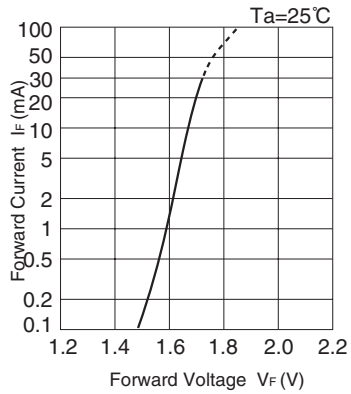
Unit : mm



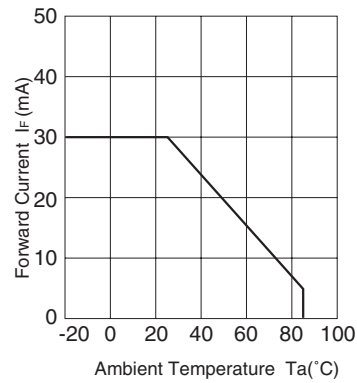
- | | |
|----------------|-------------------------|
| 1. Cathode e1 | 10. Cathode b2 |
| 2. Cathode d1 | 11. Cathode a2 |
| 3. Cathode c1 | 12. Cathode f2 |
| 4. Cathode DP1 | 13. Common Anode (No.2) |
| 5. Cathode e2 | 14. Common Anode (No.1) |
| 6. Cathode d2 | 15. Cathode b1 |
| 7. Cathode g2 | 16. Cathode a1 |
| 8. Cathode c2 | 17. Cathode g1 |
| 9. Cathode DP2 | 18. Cathode f1 |

Tolerance : ± 0.25mm

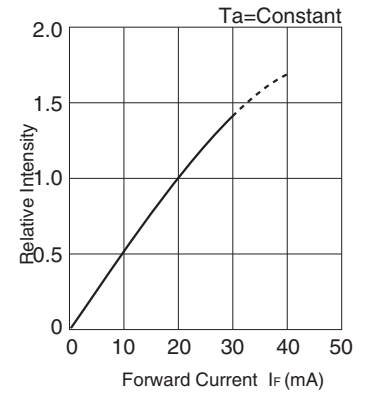
■ Forward Voltage vs. Forward Current



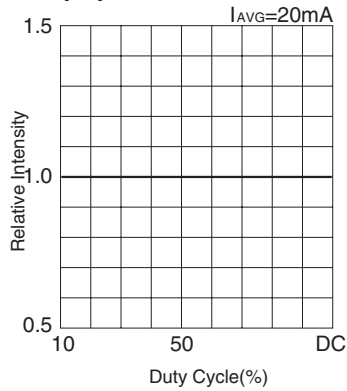
■ Ambient Temperature vs. Maximum Forward Current



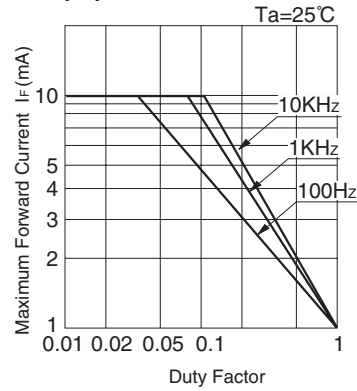
■ Forward Current vs. Relative Intensity



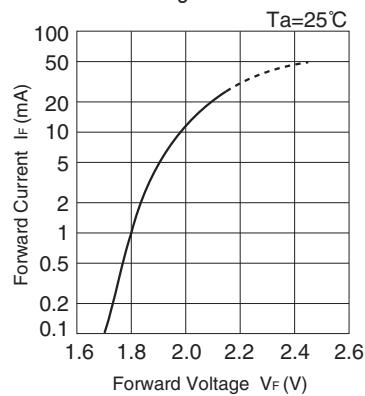
■ Duty Cycle vs. Relative Intensity



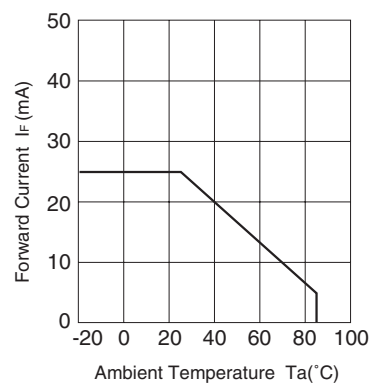
■ Duty Cycle vs. Maximum Forward Current



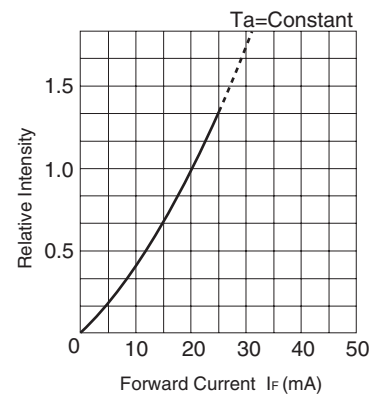
■ Forward Voltage vs. Forward Current



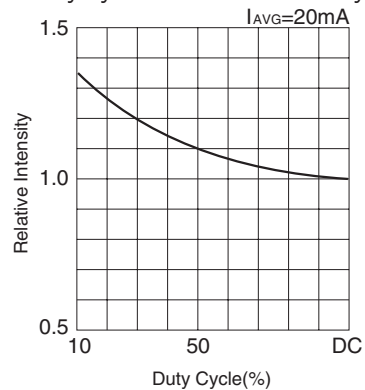
■ Ambient Temperature vs. Maximum Forward Current



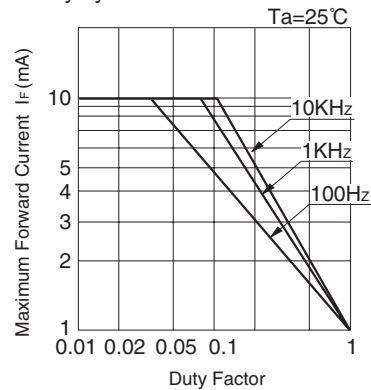
■ Forward Current vs. Relative Intensity



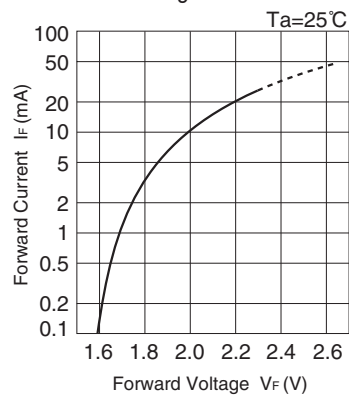
■ Duty Cycle vs. Relative Intensity



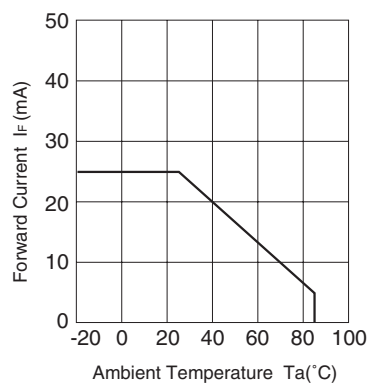
■ Duty Cycle vs. Maximum Forward Current



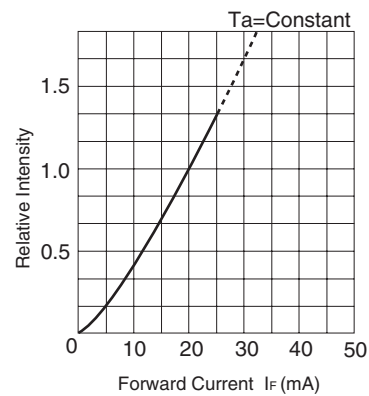
■ Forward Voltage vs. Forward Current



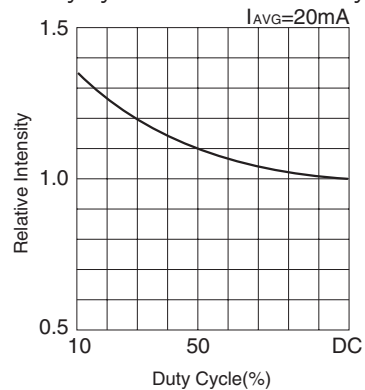
■ Ambient Temperature vs. Maximum Forward Current



■ Forward Current vs. Relative Intensity



■ Duty Cycle vs. Relative Intensity



■ Duty Cycle vs. Maximum Forward Current

