

**RoHS
Compliant**



Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation - Per Dot	P _D	78	mW
Pulse Current (1/10 Duty Cycle, 0.1ms Pulse Width) - Per Chip	I _{FP}	100	mA
Forward Current - Per Chip	I _F	30	mA
Reverse (Leakage) Current - Per Chip	I _r	100	μA
Reverse Voltage - Per Chip	V _R	5	V
Operating Temperature Range	Topr.	-25 to +85	°C
Storage Temperature Range	Tstg.	-40 to +100	
Soldering Temperature	Tsol.	Dip Soldering: 260°C for 5sec. Hand Soldering: 350°C for 3sec.	

Electrical and Optical Characteristics

Parameter	Symbol	Condition	Value			Unit
			Min.	Typ.	Max.	
Luminous Intensity (Per Dot)	Iv	If=10mA/Dot	1.15	2.9	-	mcd
Forward Current	Vf	If=20mA/Dot	-	2.1	2.6	V
Peak Wavelength	λp	If=20mA/Dot	-	567	-	nm
Dominant Wavelength	λd	If=20mA/Dot	-	572	-	nm
Reverse Current - Per Chip (Leakage Current - Per Chip)	Ir	Vr=5V	-	-	100	μA
Spectrum Line Halfwidth	Δλ	If=20mA/Dot	-	30	-	nm
Response Time	T	-	-	250	-	ns

Typical Electrical & Optical Characteristics Curves

(25°C Ambient temperature unless otherwise noted)

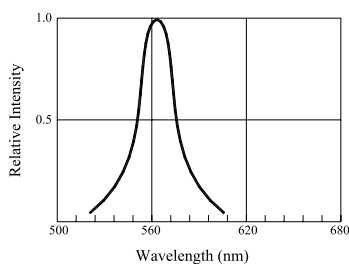


Fig.1 RELATIVE INTENSITY VS. WAVELENGTH

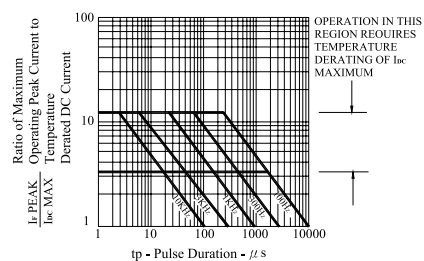


Fig.2 MAXIMUM TOLERABLE PEAK CURRENT VS. PULSE DURATION

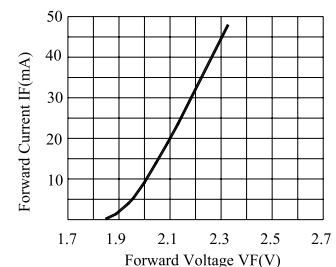


Fig.3 FORWARD CURRENT VS. FORWARD VOLTAGE PER CHIP

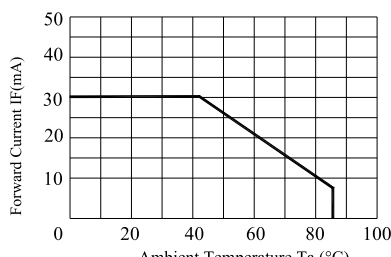


Fig.4 FORWARD CURRENT VS. DERATING CURVE

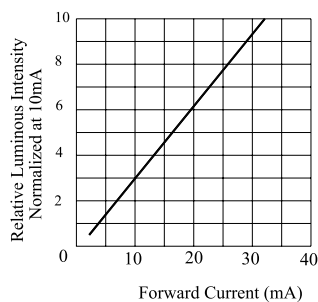


Fig.5 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

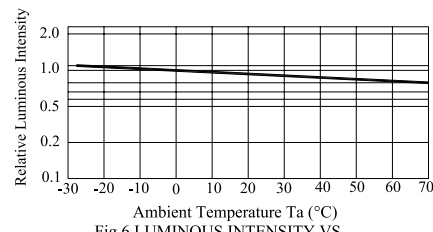
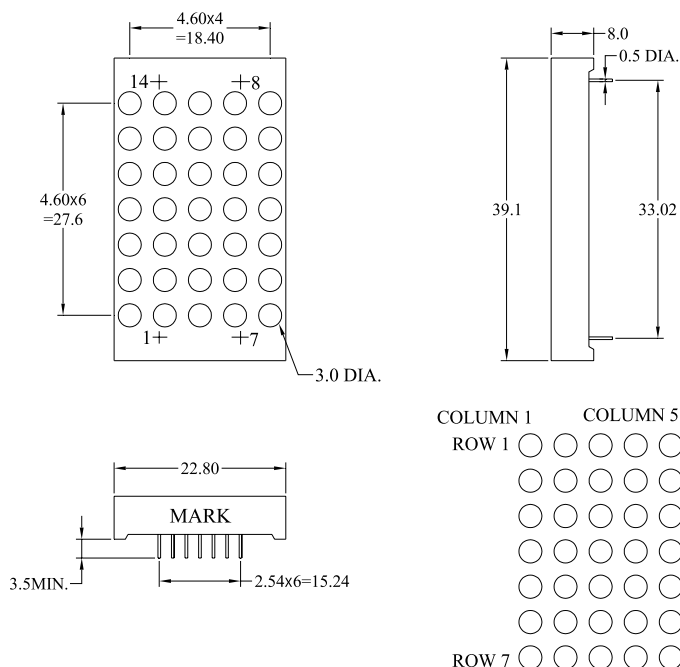


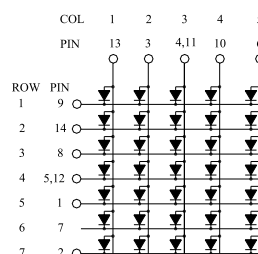
Fig.6 LUMINOUS INTENSITY VS. AMBIENT TEMPERATURE

Package Dimensions

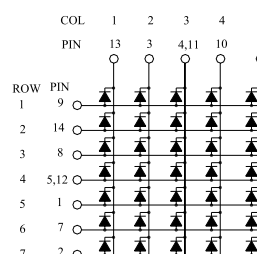


Internal Circuit Diagram

703-0192:



703-0193:



Part Number Table

LED Chip		Face Colour		Part Number
Material	Emitting Colour	Surface	Segments	
GaP / GaP	Green	Grey	White	703-0192
				703-0193

Dimensions : Millimetres

Tolerance: ± 0.25 mm unless otherwise noted

The slope of any PIN may be $\pm 5.0^\circ$ max

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