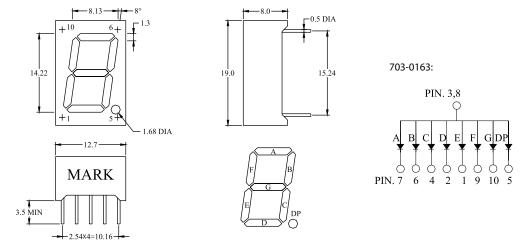
0.56" Single Digit Display multicomp

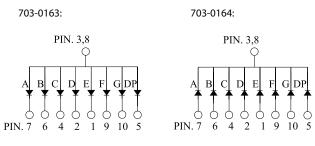




Package Dimensions:

Internal Circuit Diagram:





All dimensions are in mm Tolerance: ±0.25mm

The slope angle of any PIN may be ±5° max

Absolute Maximum Ratings at Ta=25°C

Parameter		Rating	Unit
Power Dissipation - Pre Segment		78	mW
Pulse Current (1/10 Duty Cycle, 0.1ms Pulse Width) - Per Chip	I FP	100	mA
Forward Current - Per Chip	lF	30	mA
Reverse (Leakage) Current - Per Chip	lr	100	μΑ
Reverse Voltage - Per Chip		5	V
Operating Temperature Range		-25 to +85	°C
Storage Temperature Range		-40 to +100	°C
Soldering Temperature	Tsol.	Dip Soldering: 260°C for 5sec. Hand Soldering: 350°C for 3 sec.	



0.56" Single Digit Display multicomp



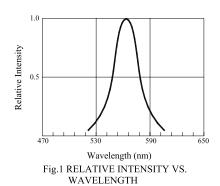
Electrical & Optical Characteristics:

Parameter	Symbol	Condition	Min.	Тур.	Max.	Unit
Luminous Intensity - Per Segment	lv	If=10mA / seg	0.72	2.9		mcd
Forward Voltage	Vf	If=20mA / seg		2.1	2.6	V
Peak Wavelength	λр	If=20mA / seg		567		nm
Dominant Wavelength	λd	If=20mA / seg		572		nm
Reverse Current - Per Chip (Leakage Current - Per Chip)	lr	Vr=5V			100	μΑ
Spectrum Line Halfwidth	Δλ	If=20mA / seg		30		deg
Response Time	Т			250		nm

Note: Customer's special requirements are also welcome.

Typical Electrical & Optical Characteristics Curves:

(25°C Ambient temperature unless otherwise noted)



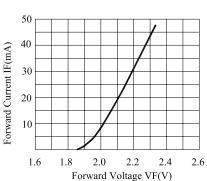


Fig .3 FORWARD CURRENT VS. FORWARD VOLTAGE PER CHIP

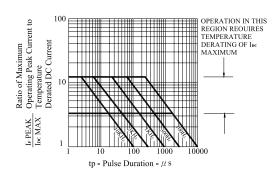
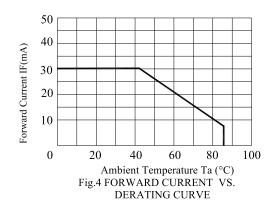


Fig.2 MAXIMUM TOLERABLE PEAK CURRENT VS. PULSE DURATION

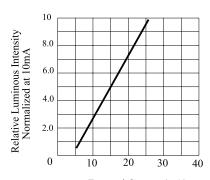


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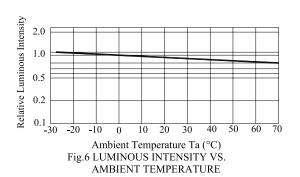


0.56" Single Digit Display multicomp





Forward Current (mA) Fig.5 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT



Part Number Table

LED Chip		Face Colour		Part Number	
Material	Emitting Colour	Surface	Segments	Part Number	
GaP / GaP	Green	Grey	White	703-0163	
GaP / GaP	Green	Grey	White	703-0164	

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