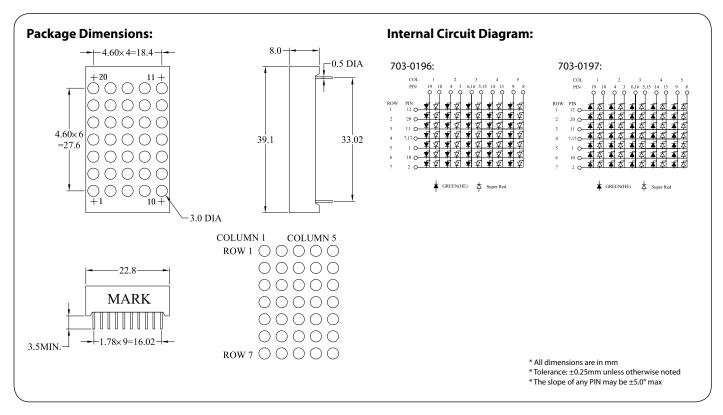
1.2" (30.42mm) 5 x 7 Dot Matrix Display







Ant Part No.		LEC	Face	Face Colour		
		Material	Emitting Colour	Surface	Segments	
702.0106	R	AlGaInP / GaP	Deep red	Grey	White	
703-0196	G	AlGaInP / GaP	Yellow green	Grey	White	
702.0107	R	AlGaInP / GaP	Deep red	Grey	White	
703-0197	G	AlGaInP / GaP	Yellow green	Grey	White	

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1.2" (30.42mm) 5 x 7 Dot Matrix Display





Absolute Maximum Ratings at Ta=25°C:

Parameter		ol	Rating	Unit	
Dower Dissipation Per Det	PD	R	782		
Power Dissipation - Per Dot		G	72	mW	
ulse Current (1/10 Duty Cycle, 0.1ms Pulse Width) - Per Chip			100	mA	
Forward Current - Per Chip			30	mA	
Reverse (Leakage) Current - Per Chip			100	uA	
Reverse Voltage - Per Chip			5	V	
Operating Temperature Range			-25 to +85	℃	
Storage Temperature Range			-40 to +100	℃	
Soldering Temperature			Dip Soldering: 260°C for 5sec. Hand Soldering: 350°C for 3sec.		

Electrical & Optical Characteristics:

Parameter		ool	Condition	Min.	Тур.	Max.	Unit
Luminous Intensity (Day Dat)	1	R	lf=10mA/Dot	15.01	30.0		
Luminous Intensity (Per Dot)	lv	G	lf=10mA/Dot	19.51	40.5		mcd
Forward Current	Vf	R	lf=20mA/Dot		1.9	2.4	\square_{V}
Forward Current	VI	G	lf=20mA/Dot		1.9	2.4	V
Dook Mayalan eth	1,-	R	lf=20mA/Dot		650		
Peak Wavelength	ур	G	lf=20mA/Dot		573		nm
Damain and Marral an odd	7 -	R	lf=20mA/Dot		639		
Dominant Wavelength	λd	G	lf=20mA/Dot		570		nm
Reverse Current - Per Chip	1	R	Vr=5V			100	
(Leakage Current - Per Chip)	lr	G	Vr=5V			100	HA μA
Construing Line Holfridth		R	lf=20mA/Dot		20		
Spectrum Line Halfwidth	Δλ	G	lf=20mA/Dot		20		nm
Response Time	Т				250		ns

Note: Customer's special requirements are also welcome

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1.2" (30.42mm) 5 x 7 Dot Matrix **Display**



Typical Electrical & Optical Characteristics Curves:

(25°C Ambient temperature unless otherwise noted)



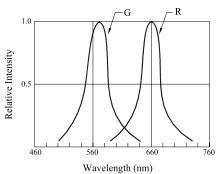


Fig.1 RELATIVE INTENSITY VS. WAVELENGTH

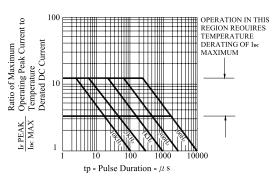
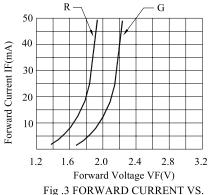
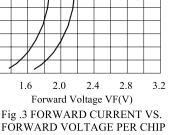
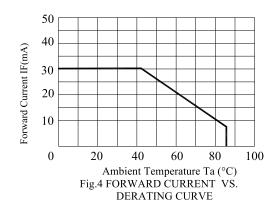


Fig.2 MAXIMUM TOLERABLE PEAK CURRENT VS. PULSE DURATION







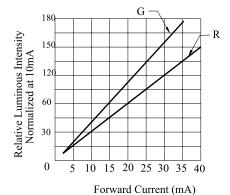
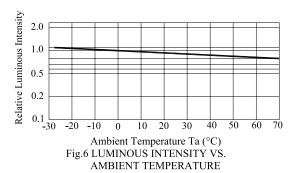


Fig.5 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT



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