

DESCRIPTION

MT7CA-2 is a 22mm square full spectrum rainbow LED lamp cluster consists of 7 pieces of 5.5mm diameter oval type ultra high brightness output LED with 3 pcs of AlGaInP orange, 2 pcs of InGaN green 2pc of InGaN blue.

These clusters are most suitable for information boards, highway sign boards, traffic lights, subway signal lamps etc.

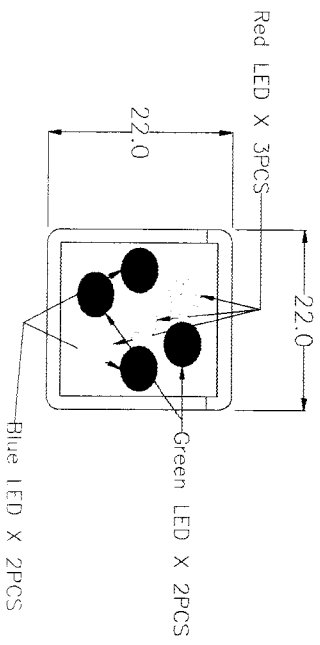
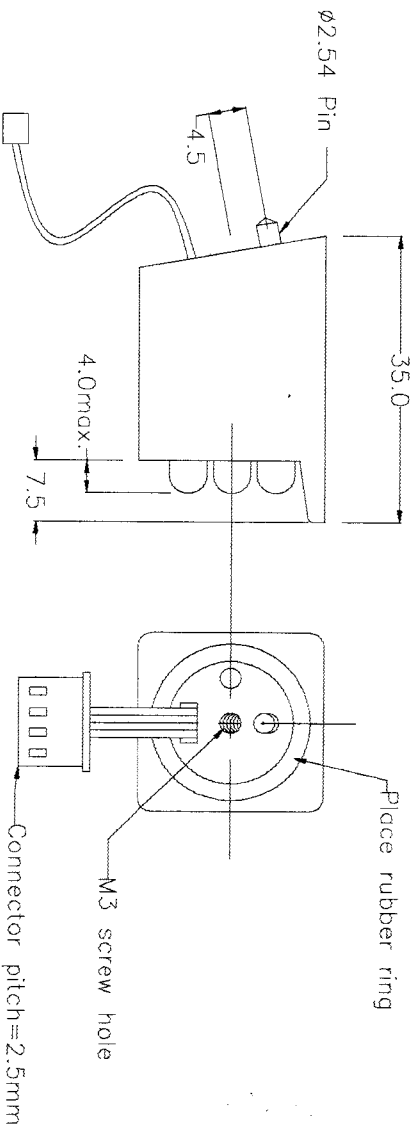
ABSOLUTE MAXIMUM RATINGS

	Red	Green	Blue
Power Dissipation @ Ta=25°C	220mW	270mW	270mW
Forward Current, DC (IF)	30mA	30mA	30mA
Reverse Voltage	15V	10V	10V
Operating Temperature	-40 to +80°C		
Storage Temperature	-50 to +80°C		

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	Red		5.4	7.2	V	IF=20mA
	Green		7.0	9.0	V	IF=20mA
	Blue		7.0	9.0	V	IF=20mA
Reverse Current	Red			100	μA	VR=15V
	Green			100	μA	VR=10V
	Blue			100	μA	VR=10V
Luminous Intensity	Red	1200	1800		mcd	IF=20mA
	Green	1400	2600		mcd	IF=20mA
	Blue	380	740		mcd	IF=20mA
Peak Wavelength	Red		660		nm	IF=20mA
	Green		525		nm	IF=20mA
	Blue		470		nm	IF=20mA
Spectral Line Half Width	Red		20		nm	IF=20mA
	Green		40		nm	IF=20mA
	Blue		30		nm	IF=20mA
Wide Viewing Angle	2 θ _{1/2}		100		degree	IF=60mA

MECHANICAL OUTLINE



All dimension in mm
No scale
Tol. : +/-0.3mm

CIRCUIT DIAGRAM

