

MICRO

ELECTRONICS

MT 14Y

26mm DIAMETER
LED LAMP
CLUSTER SERIES

DESCRIPTION

MT14Y is a 26mm diameter LED lamp cluster consists of 14 pieces of T-1 3/4 (5mm) ultra high brightness output LED with 6 pcs of red and 8 pcs of green.

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

ABSOLUTE MAXIMUM RATINGS

	Red	Green
Power Dissipation @ Ta=25°C	220mW	355mW
Forward Current, DC (IF)	30mA	60mA
Reverse Voltage	30V	20V
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	V _F		Red	10.8	14.4	V	I _F =20mA
			Green	8.8	12	V	I _F =40mA
Reverse Current	I _R		Red		100	μA	V _R =30V
			Green		200	μA	V _R =20V
Luminous Intensity	I _v	Red	600	1200	mcd	I _F =20mA	
		Green	800	1600	mcd	I _F =40mA	
Peak Wavelength	λ _p	Red		660	nm	I _F =20mA	
		Green		565	nm	I _F =40mA	
Spectral Line Half Width	Δλ	Red		20	nm	I _F =20mA	
		Green		30	nm	I _F =40mA	
Wide Viewing Angle	2 θ _{1/2}		100		degree		



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