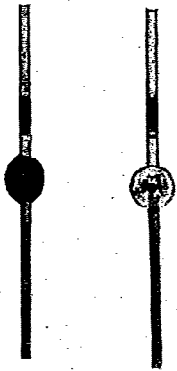




Light Emitting Diodes

3368291 ERCONA CORP

09C 00019 D T-41-21



CM4-50 SERIES. SOLID STATE LAMP. RED GALLIUM ARSENIDE PHOSPHIDE

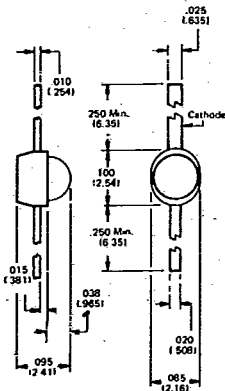
Optical Characteristics (@ 25°C)

Device Number	Lens		Light Colour	Peak Wavelength Typical	Luminous Intensity @ If = 20mA		Viewing Angle Typical
	Tint	Diffusion			Gtd. Min.	Typical	
CM4-50	Clear	Transparent	Red	660 nm	0.5 mcd	1.4 mcd	90°
CM4-53	Red	Diffused	Red	660 nm	0.4 mcd	1.0 mcd	90°

Size: Lens is T-3/4 size. High Brightness Light Source. Leads: Tin Plated.

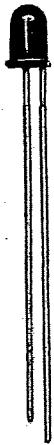
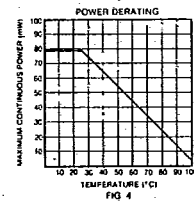
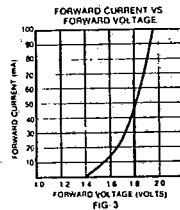
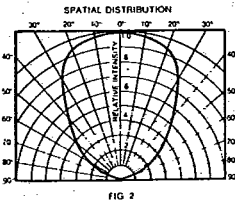
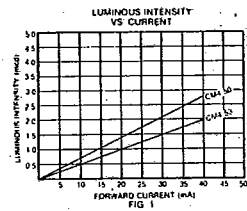
Electrical Characteristics (@ 25°C)

Parameter	Forward Voltage @ If = 20mA	Reverse Voltage @ Ir = 100µA	Response Time	Capacitance @ 1MHz 0V DC
Minimum		5.0 Volts	50nS	80 pF
Typical	1.65 Volts	15.0 Volts		
Maximum	2.00 Volts			



MAXIMUM RATINGS (@ 25°C)
 Continuous Forward Current 40mA
 Peak Forward Current (1µs pulse, .1% duty cycle) . 5.0A
 Storage and Operating Temperature -55°C to 100°C
 Solder Time @ 260°C 5 seconds

TYPICAL ELECTRO-OPTICAL CHARACTERISTICS
 (25°C Free Air Temperature Unless Otherwise Specified)



CM4-43B. SOLID STATE LAMP. RED GALLIUM ARSENIDE PHOSPHIDE

Optical Characteristics (@ 25°C):

Device Number	Lens		Light Colour	Peak Wavelength Typical	Luminous Intensity @ If = 20mA		Viewing Angle Typical
	Tint	Diffusion			Gtd. Min.	Typical	
CM4-43B	Red	Diffused	Red	660 nm	0.3 mcd	1.0 mcd	90°

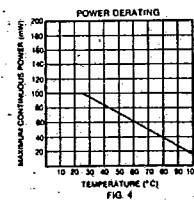
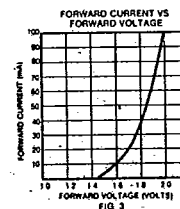
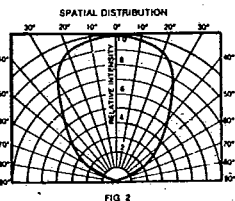
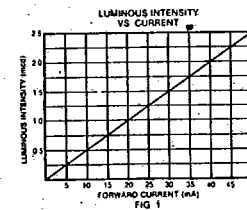
Light Source: 1.0 mcd luminous intensity. Size: Cylindrical lens is T-1 size. Leads: Tin-plated. Mounting Clip: CM4-7.

Electrical Characteristics (@ 25°C)

Parameter	Forward Voltage @ If = 20mA	Reverse Voltage @ Ir = 100µA	Response Time	Capacitance @ 1 MHz, 0V DC
Minimum		5.0 Volts	50nS	23 pF
Typical	1.7 Volts	15.0 Volts		

MAXIMUM RATINGS (@ 25°C)
 Continuous Forward Current 50mA
 Peak Forward Current (1µs pulse, .1% duty cycle) . 4.0A
 Storage and Operating Temperature -55°C to 100°C
 Solder Time @ 260°C 5 seconds

TYPICAL ELECTRO-OPTICAL CHARACTERISTICS
 (25°C Free Air Temperature Unless Otherwise Specified)



Light Emitting Diodes ready for panel mounting are also available. See Signal Lamp catalogue.

