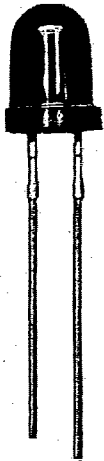


Light Emitting Diodes

3368291 ERCONA CORP.

09C 00021 D T-41-21



CM4-73A. SOLID STATE LAMP. RED GALLIUM ARSENIDE PHOSPHIDE

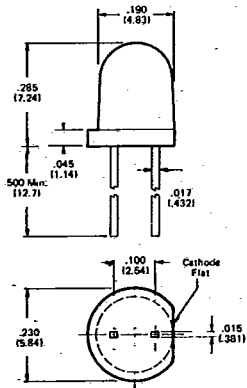
Optical Characteristics (@ 25°C Per Note 2)

Device Number	Lens		Light Colour	Peak Wavelength Typical	Luminous Intensity @ If = 20mA		Viewing Angle Typical
	Tint	Diffusion			Gtd. Min.	Typical	
CM4-73A	Red	Diffused	Red	660 nm	0.8 mcd	2.0 mcd	70°

Light Source: 2.0 mcd luminous intensity. Size: T-1 1/4 medium-height cylindrical lens. Leads: Tin-plated.

Electrical Characteristics (@ 25°C)

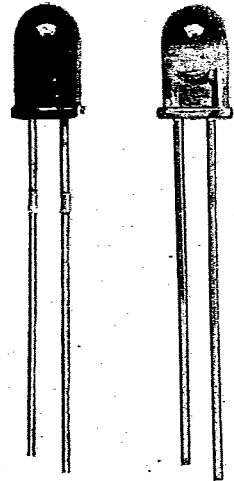
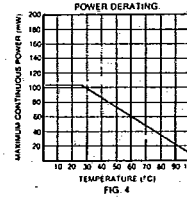
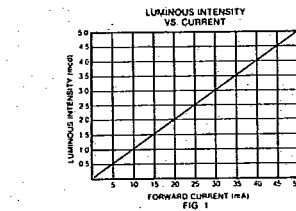
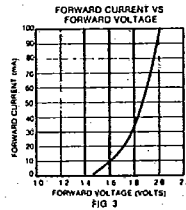
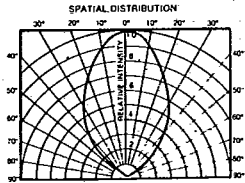
Parameter	Forward Voltage @ If = 20mA	Reverse Voltage @ Ir = 100µA	Response Time	Capacitance @ 1MHz, 0V DC
Minimum		5.0 Volts		
Typical	1.7 Volts	20.0 Volts	50nS	35 pF
Maximum	2.0 Volts			



MAXIMUM RATINGS (@ 25°C)

Continuous Forward Current 50mA
 Peak Forward Current (1µs pulse, .1% duty cycle) 1.0A
 Storage and Operating Temperature -55°C to 100°C
 Solder Time @ 260°C (MIL. S-750) 5 seconds

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



CM4-80B SERIES. SOLID STATE LAMP. RED GALLIUM ARSENIDE PHOSPHIDE

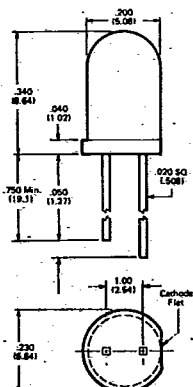
Optical Characteristics (@ 25°C)

Device Number	Lens		Light Colour	Peak Wavelength Typical	Luminous Intensity @ If = 20mA		Viewing Angle Typical
	Tint	Diffusion			Gtd. Min.	Typical	
CM4-80B	Clear	Transparent	Red	660 nm	0.4 mcd	2.0 mcd	70°
CM4-81B	Clear	Diffused	Red	660 nm	0.3 mcd	1.6 mcd	80°
CM4-82B	Red	Transparent	Red	660 nm	0.4 mcd	2.0 mcd	70°
CM4-84B-0	Red	Diffused	Red	660 nm	0.3 mcd	0.8 mcd	80°
CM4-84B	Red	Diffused	Red	660 nm	0.8 mcd	1.6 mcd	80°
CM4-84B-2	Red	Diffused	Red	660 nm	1.6 mcd	2.0 mcd	80°
CM4-85B	Dark Red	Diffused	Red	660 nm	0.2 mcd	0.8 mcd	110°
CM4-86B	Red	Diffused	Red	660 nm	0.1 mcd	0.6 mcd	150°

Light Source: Five viewing angle/Luminous intensity combinations. Angle Viewing: Up to 150°. Size: Cylindrical lens is T-1 1/4. Leads: Tin-plated. Mounting Clip: CM4-6.

Electrical Characteristics (@ 25°C)

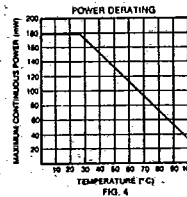
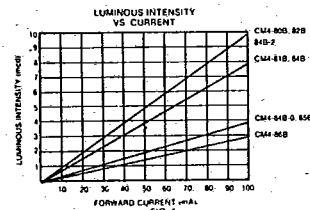
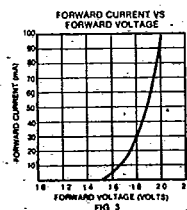
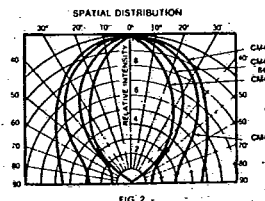
Parameter	Forward Voltage @ If = 20mA	Reverse Voltage @ Ir = 100µA	Response Time	Capacitance @ 1 MHz, 0V DC
Minimum		5.0 Volts		
Typical	1.7 Volts	25.0 Volts	50nS	30 pF
Maximum	2.2 Volts			



MAXIMUM RATINGS (@ 25°C)

Continuous Forward Current 100mA
 Peak Forward Current (1µs pulse, .1% duty cycle) 6.0A
 Storage and Operating Temperature -55°C to 100°C
 Solder Time @ 260°C (MIL. S-750) 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.