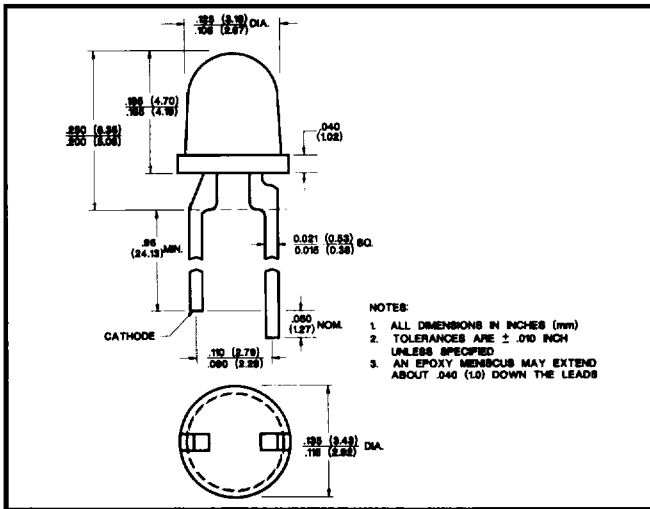


T-100 (T-1) Diffused LED Lamps

DESCRIPTION AND FEATURES

4
Solid State
Products



These solid state indicators offer a variety of colors, wide view angles and small square leads, all contributing to their versatility as good all purpose indicator lamps. The High Efficiency Red and Yellow devices utilize GaAsP/GaP technology while the High Efficiency Green devices use an improved GaP technology. These lamps are good replacements for the Hewlett Packard HLMP-1300/1500 Series.

ELECTRO-OPTICAL CHARACTERISTICS

Part Number	Emitted Color	Lens Color	Package Type	Luminous Intensity			Forward Voltage			Capacitance pF Vr=0, f=1MHz	Peak Wavelength (nm)	View Angle (Degrees)
				Min. mcd	Typ. mcd	mA	Typ. mA	Max. mA	mA			
CMD50640	Red	Red	Diffused	0.5	1.5	20	1.6	2.0	10	23	660	90
CMD53640	Yellow	Yellow	Diffused	1.0	2.0	10	2.1	3.0	10	45	585	90
CMD53641	Yellow	Yellow	Diffused	1.5	3.0	10	2.1	3.0	10	45	585	90
CMD53642	Yellow	Yellow	Diffused	2.5	4.5	10	2.1	3.0	10	45	585	90
CMD54643	H.E. Green	Green	Diffused	2.0	5.0	20	2.2	3.0	20	20	565	90
CMD54644	H.E. Green	Green	Diffused	6.0	10.0	20	2.2	3.0	20	20	565	90
CMD57640	H.E. Red	Red	Diffused	1.0	2.0	10	2.0	3.0	10	45	635	90
CMD57641	H.E. Red	Red	Diffused	2.0	2.5	10	2.0	3.0	10	45	635	90
CMD57642	H.E. Red	Red	Diffused	3.0	4.0	10	2.0	3.0	10	45	635	90

ABSOLUTE MAXIMUM RATINGS

	Std. Red	All Others	Units
Power Dissipation	120	120	mW
Storage/Operating Temperature	-55 to +100	-55 to +100	°C
Lead Solder Time at 260°C	5	5	Seconds
Peak Forward Current (1 micro second pulse, 0.3% duty cycle)	1000	90	mA
Reverse Voltage (IR = 100µA)	5.0	5.0	V
Average Forward Current	30	30	mA

TYPICAL CHARACTERISTIC CURVES

