



B) ELECTRO-OPTICAL CHARACTERISTICS T _a =25°C				
PARAMETER	MIN	TYP	MAX	UNITS TEST COND
PEAK WAVELENGTH		635		nm
FORWARD VOLTAGE		24	28	Vf
REVERSE VOLTAGE	5.0			Vr Ir=200μA
LUMINOUS INTENSITY		200	280	cd/m ² If=90mA; 130mA
EMITTED COLOR:	RED			
REFLECTOR FINISH:	MILKY WHITE			

LIMITS OF SAFE OPERATION AT 25°C PER MODULE		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	120	mA
POWER DISSIPATION	3.0	mW
DERATE FROM 25°C	67.4	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

* t<10μS

1. BUNDLE WIRE.
2. GLUE WIRES TO BACK OF PART.
3. COLOR MARK.

A circuit diagram showing a power resistor with a diode array. On the left, a terminal is connected to a resistor labeled "82 OHM" and "5 W". The resistor is connected to a parallel array of 20 diodes, arranged in 4 rows and 5 columns. The diodes are oriented with their cathodes to the left and anodes to the right. The array is connected to a terminal on the right.

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