



13LED20

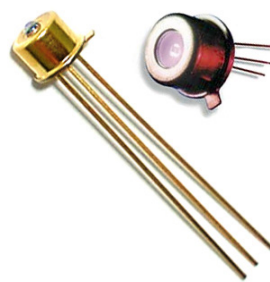
1300nm Surface Emitting LED

FEATURES

- Planar Structure
- Dielectric Passivation
- 100% Purge Burn-in

APPLICATIONS

- Optical Data Communications Systems
- E1 / T1 Communication Systems
- Analog Transmission Systems



13LED20-1xx
TO can Package



13LED20-5xx
FC Receptacle

PRODUCT DESCRIPTION

The 13LED20 is a 1300nm surface emitting LED. It is intended for use in low cost, short haul multi-mode optical communication systems operating to 100MB/s and for use in optical test and measurement equipment.

The device can be assembled in a TO can or mounted in an SC, ST or FC receptacle. Custom packages are an option.

ELECTRICAL CHARACTERISTICS

Table 1: Electrical Specifications

PARAMETER	MIN	TYP	MAX	UNIT
Total output power	-	1	-	mW
Minimum coupled power ⁽¹⁾	30	-	-	μW
Peak wavelength	1260	1300	1340	nm
Spectral width	-	120	-	nm
Rise / Fall time	-	6	-	ns

(1) Coupled to 62.5/125 fiber @ 100mA forward current

Table 2: Absolute Maximum Ratings

PARAMETER	MIN	MAX	UNIT
Forward Current	-	125	mA
Operating Case Temperature	-40	+85	°C
Storage Temperature	-40	+85	°C
Soldering temperature (10 seconds)	-	+250	°C

Stresses in excess of the absolute ratings may cause permanent damage. Functional operation is not implied under these conditions. Exposure to absolute ratings for extended periods of time may adversely affect reliability.

ORDERING INFORMATION

Part Number	Options
13LED20-1xx	Package: TO46 Number of pins: 2, 3 Cap: Window, lens. AR / Non-AR coated. Cap plating: Gold or nickel
13LED20-5xx	Number of pins: 2, 3 Connector Type: SC, ST or FC. Aligned for APC or UPC

Please contact Anadigics for the specific part number and pinout that suits your needs

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WARNING

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