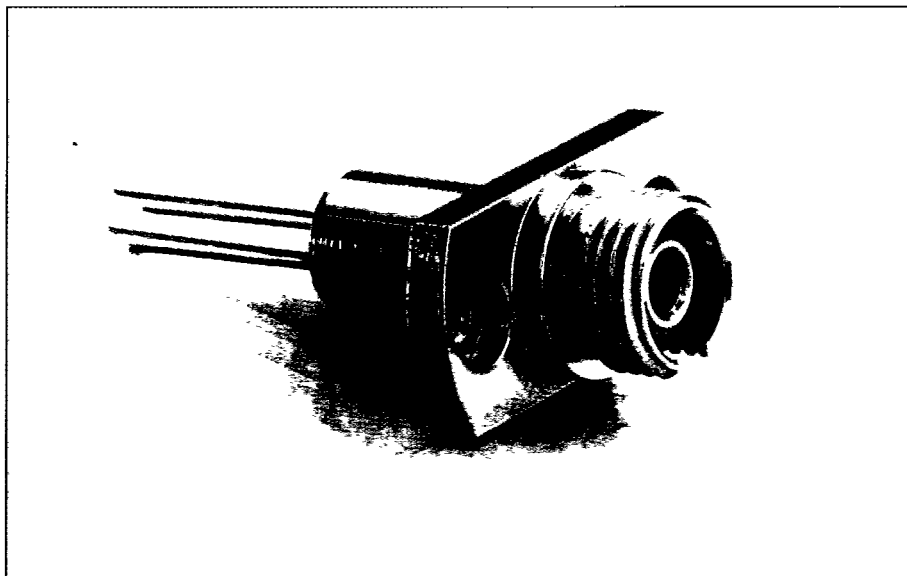


PRELIMINARY**PGT 2110/3R**

Compact Laser transmitter in FC receptacle



Features

- Output power $> 100 \mu\text{W}$ in to SM-fiber
- Low cost
- Small package
- PIN monitor detector
- FC/PC connector

PGT 2110/3R

T-41-91

General Information

The laser module is designed for low cost short and medium haul telecom applications. The laser diode is of InGaAsP/InP type, optimized for wide temperature range operation without

a thermoelectric cooler. The receptacle provides easy connection and possibility for panel mounting.

Characteristics¹⁾

Parameter	Min	Typ	Max	Units
Output power $I_{th} + 25$ mA	100			μ W
Threshold current		30	50	mA
Peak wavelength	1290	1310	1330	nm
Spectral width FWHM (CW)		2	5	nm
Rise/Fall time 10%–90% Pout			1	ns
Forward voltage		1.2	1.7	V
Monitor photocurrent at 100 μ W	50			μ A
Monitor dark current at –5V			100	nA

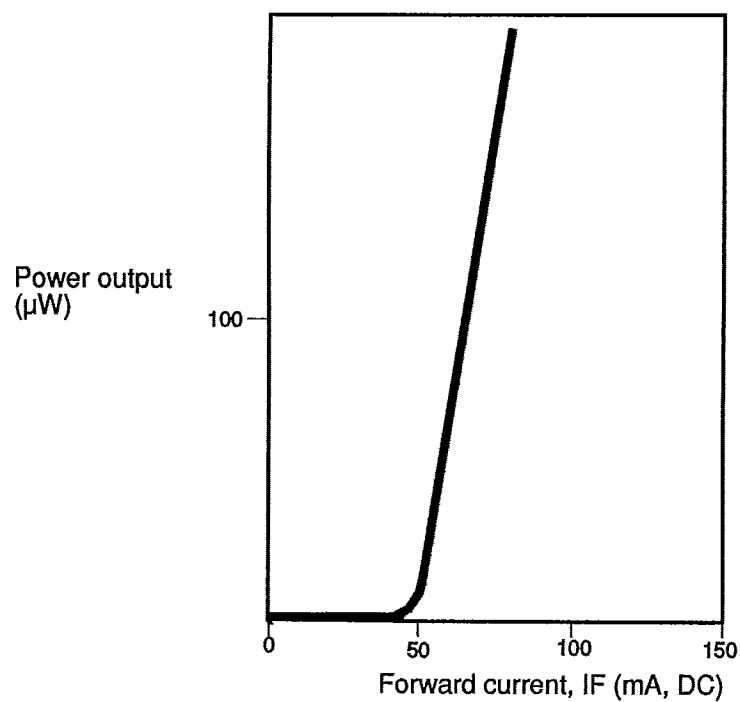
Absolute maximum ratings

Laser forward current	150 mA
Laser reverse voltage	2 V
Photodiode reverse voltage	15 V
Operating temperature	0°C to +60°C
Storage temperature	–40°C to +80°C

Note 1. All characteristics at 25°C and 100 μ W output power unless otherwise stated.

Typical output power versus drive current

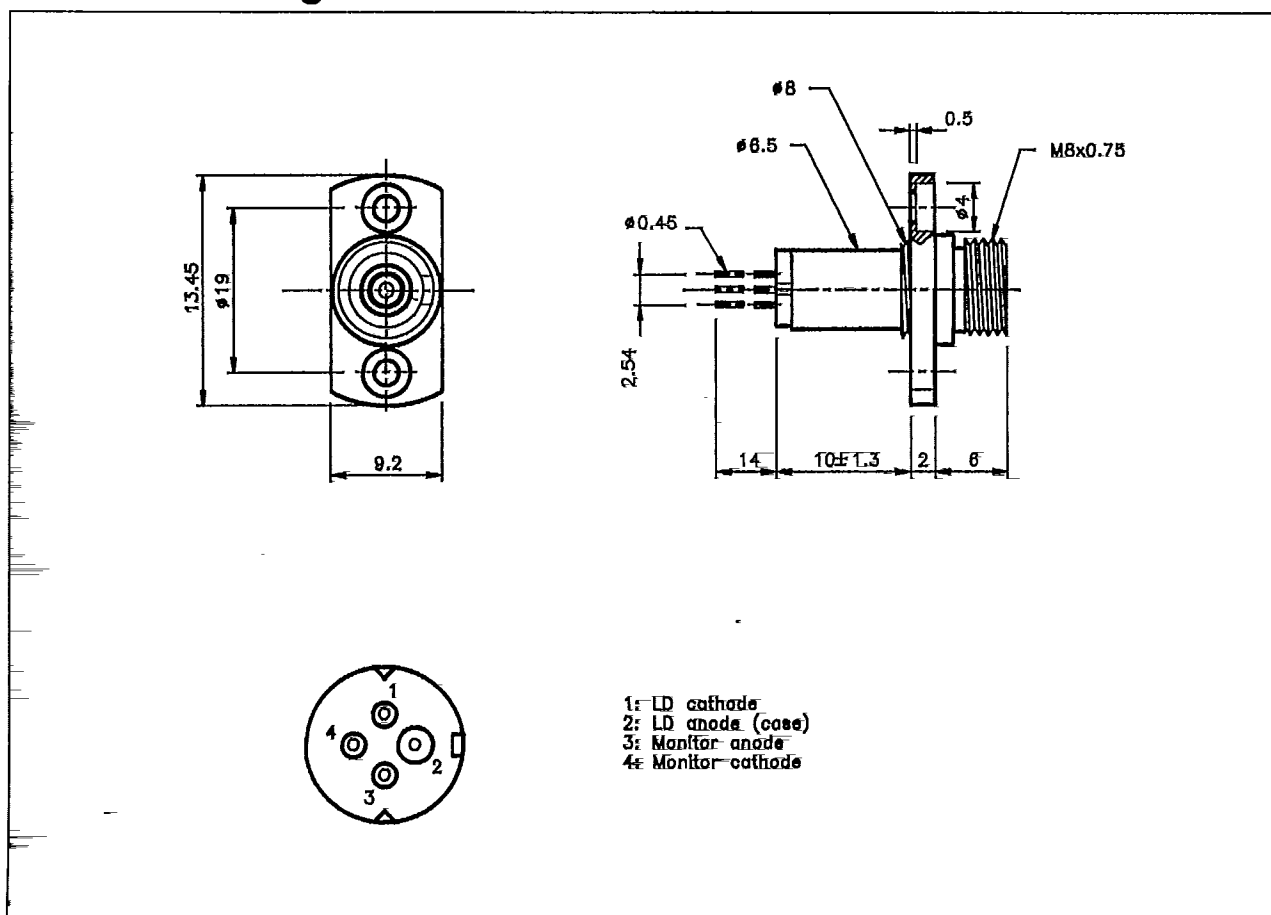
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PGT 2110/3R

T-41-91

Outline Drawing



Ordering information

Use complete partcode: PGX XXXX/XXX

T = Transmitter	λ
R = Receiver	Bitrate
M = Modulator	λ
S = Switch	λ
B = Bidirectional WDM	λ transmitter

Package:
D = DIL
F = Flatpack
R = Receptacle
T = TO
M = Modulator-package
S = Switch-package
C = Custom

Fibertype:
S = Singlemode
M = Multimode
P = Polarization-preserving

Definition of Products

Standard products: In volume production, specification firm
Preliminary products: Production being sampled, small changes in specification can occur

Advanced products: Products under development, specification likely to change

Handling Precautions: Normal handling precautions for electrostatic sensitive devices should be taken

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Y4(89013)A-Ue

ERICSSON
Ericsson Components AB

Fiber Optic Products

S-164 81 Kista, Sweden

Tel. +46 (0)8-757 50 00

Telex 8125008 COMEKA S, Telefax +46 (0)8-757 46 21