

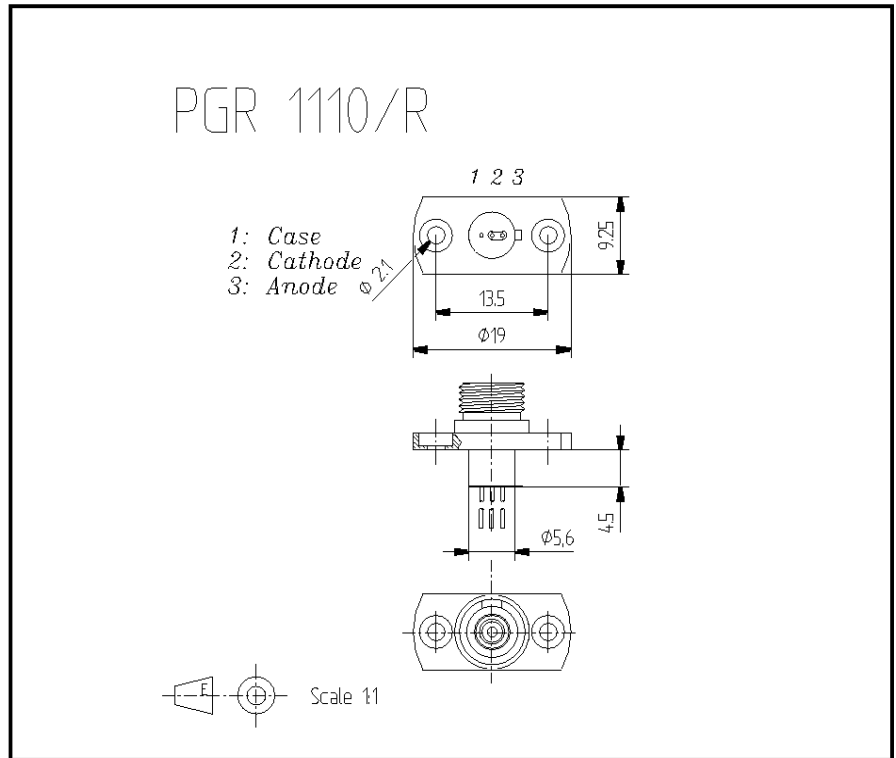
PGR 1110

Compact PIN Receiver

This compact PIN receiver is especially suited for FITL (Fiber In The Loop) and similar short and medium haul telecom applications
The module includes a InGaAs PIN diode and is optimized for -40 to +85 °C operation.

Features

- High sensitivity
- Low dark current
- Low capacitance
- Covering optical window at 1300 nm and 1550 nm
- Wide operating temperature range -40 °C to +85 °C



Characteristical Values

$T=25\text{ }^{\circ}\text{C}$ and $U_R=5\text{ V}$ unless otherwise stated.

Parameters	Conditions	PGR 1110/R	Unit
Responsivity	$\lambda=1300\text{ nm}$	>0.75	A/W
Capacitance	$V_R=5\text{ V}$	<1.0	pF
Dark current	$V_R=5\text{ V}$	<10	nA
Rise time	$R_L=50\Omega$	<0.5	ns
Fall time	$R_L=50\Omega$	<0.5	ns
Case operating temperature		-40 to +85	$^{\circ}\text{C}$
Fiber type		Receptacle	

Absolute Maximum Ratings ($T=25\text{ }^{\circ}\text{C}$)

PIN reverse voltage $V_R < 20\text{ V}$
 Forward current $I_F < 1\text{ mA}$

Quality Assurance

Ericsson Components commitment to quality has been proved through a decade of semiconductor device production and has been confirmed to ISO 9001. These products are qualified according to the intention of Bellcore (TR-NWT-000468) and supplied with final test data.

Handling Precautions

Normal handling precautions for electrostatic sensitive devices should be taken.

Connector Options

FC receptacle for single mode fiber.

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