

ROITHNER LASERTECHNIK

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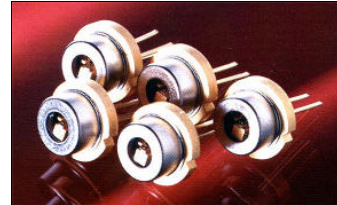
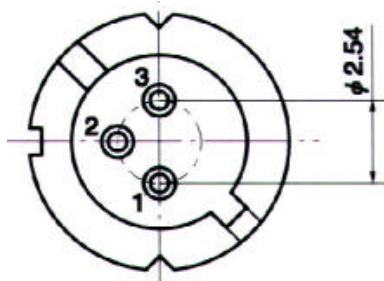
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RLT980-10W TECHNICAL DATA

High Power Pulsed Infrared Laserdiode

The **RLT980-10W** is a pulsed laserdiode, ideal for illumination, range-finding and medical systems.

Package: 9 mm



- 1: Laserdiode cathode**
- 2: Laserdiode anode, case**
- 3: n.c.**

Optical-Electrical Characteristics (T_c = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Optical Output Power	P _o	t _p = 100 ns		10	12	W
Operation Current	I _{op}	P _o = 10W		12		A
Lasing Wavelength	λ _p	P _o = 10W	960	980	990	nm
Lasing Aperture	A _L	P _o = 10W	90	100	110	μm
Beam Divergence	θ//	P _o = 10W	8	12	15	°
Beam Divergence	θ⊥	P _o = 10W	24	30	36	°
Pulse Width	t _p	P _o = 10W		100	200	ns
Repetition Rate	f _p	P _o = 10W	5	10	12	kHz
Operating Temperature	T _{op}	P _o = 10W	-50	25	+50	°C
Spectral Width	Δλ	P _o = 10W		4		nm