

ROITHNER LASERTECHNIK

A-1040 WIEN, FLEISCHMANNGASSE 9

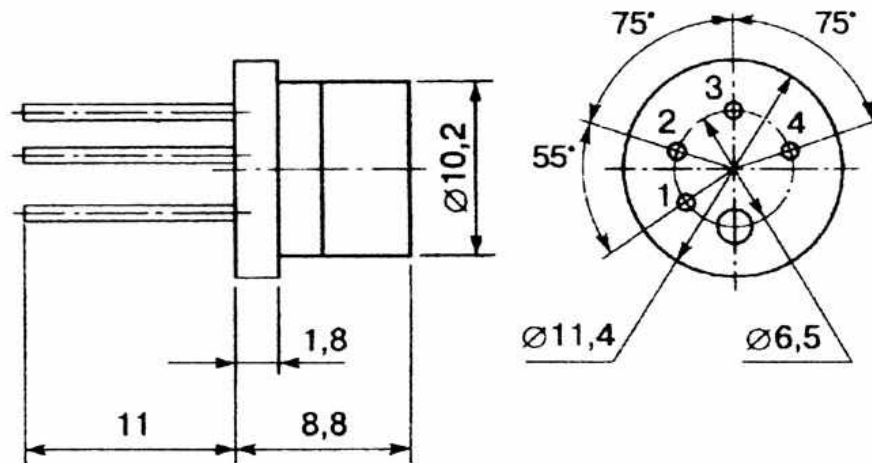
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RLT810-100W TECHNICAL DATA

High Power Pulsed Infrared Laserdiode

The **RLT810-100W** is a pulsed laserdiode array, ideal for illumination, rangefinding and medical systems



1: Laserdiode anode, case

2: Laserdiode cathode

Optical-Electrical Characteristics (T_c = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Optical Output Power	P _o	t = 100 ns		100		W
Operation Current	I _{op}	P _o = 100W		17		A
Lasing Wavelength	λ _p	P _o = 100W	800	808	820	nm
Pulse Width	t	P _o = 100W		100		ns
Repetition Rate	f	P _o = 100W		1000	3000	Hz
Emitting Area	A	P _o = 100W		1.5 x 1		mm ²
Operating Temperature	T	P _o = 100W	-50	25	+50	°C
Spectral Width	Δλ	P _o = 100W		4		nm