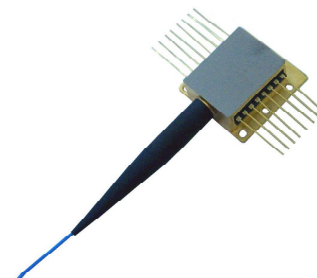


High-power, single-mode 975nm pump module

Key Features

- **Single-mode, output power: 450mW**
- **Center wavelength in range 965-990 nm**



PARAMETERS	CONDITIONS	SYMBOL	MIN	TYP	MAX	UNITS
Operating power	I_{op}	P_{op}	450			mW
Peak wavelength	P_{op}	λ_p	965	975	990	nm
Spectral width	P_{op}	$\Delta\lambda$			1.0	nm
Power in band	10nm, P_{op}	-	90%	99%		-
Max. kink-free power rating	-	P_{max}	550			mW
Laser operating current	P_{op}	I_{op}		700	900	mA
Threshold current	-	I_{th}	50		70	mA
Laser operating voltage	P_{op}	V_{op}		2.3	2.5	V
TEC current	$P_{op}, 70^{\circ}\text{C}$	I_{TEC}			1.3	A
TEC voltage	$P_{op}, 70^{\circ}\text{C}$	V_{TEC}			2.5	V
TEC capacity	P_{op}	ΔT		55		$^{\circ}\text{C}$
Operating temperature	P_{op}	-	0		+70	$^{\circ}\text{C}$
Storage temperature	-	-	-40		+85	$^{\circ}\text{C}$

Fiber:

FC/APC connector
PM, SM fiber, 1m long