

Fiber coupled acousto-optic Q-switch for Tm-doped fiber laser**Qty.: 04 Nos.**

(Specifications consists of two pages)

Specifications:

Parameters	Unit
Fiber-coupled Acousto-optical Modulator	
Central Wavelength	2000 nm
Operating Wavelength Range	+/-5 nm
Max. Insertion Loss	2 dB
Min. Isolation	50 dB
Min. Return Loss	50 dB
Optical Power through modulator (CW)	×10 W
Pulsed Peak Power through modulator	×10 kW
Driving power (approx.)	2 to 5 W
Working Frequency	100 MHz
VSWR	<1.2:1(50) MHz
Fiber Type	DCF 10/130 μm (NA 0.15/0.46)
Fiber Length (on each side)	1 m
Operation Temperature	5°C to 50°C
Compatible RF Driver	
RF frequency	100 MHz
Maximum RF power	1.8-2 W (adjustable)
Output impedance	50±5 Ω
Modulation Frequency	1 kHz - 1 MHz using standard TTL level
RF ON/OFF ratio	60 dB
RF output connector	SMA (female)
Modulation Connector	SMC (male)
Supply voltage	+24 V DC
Package	Compact outer package
Application	As a Q-switch in Tm-doped fiber laser

Note:

- 1. RF driver should be compatible with fiber coupled AO Q-switch.**
- 2. Warranty for one year should be provided and item should be supplied in original packing from the manufacturer.**
- 3. Item will be accepted after testing in our lab as per tender specification.**
- 4. It is necessary to submit the compliance sheet along with the quotation, otherwise offer may be rejected.**

Compliance Sheet

Sr. No.	Parameter	Required Value	Offered specifications	Compliance (Yes or No)
1.	Central Wavelength	2000 nm		
2.	Operating Wavelength Range	+/-5 nm		
3.	Max. Insertion Loss	2 dB		
4.	Min. Isolation	50 dB		
5.	Min. Return Loss	50 dB		
6.	Optical Power through modulator (CW)	×10 W		
7.	Pulsed Peak Power through modulator	×10 kW		
8.	Driving power (approx.)	2 to 5 W		
9.	Working Frequency	100 MHz		
10.	VSWR	<1.2:1(50) MHz		
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12.	Fiber Length (on each side)	1 m		
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	Compatible RF driver			
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18.	RF ON/OFF ratio	60 dB		
19.	RF output connector	SMA (female)		
20.	Modulation Connector	SMC (male)		
21.	Supply voltage	+24 V DC		
22.	Package	Compact outer package		
23.	Application	As a Q-switch in Tm-doped fiber laser		