

ERBIUM AMPLIFIER COMPONENTS

TAP/DETECTOR

DiCon's Tap/Detector is a hybrid component that combines the ultra flat spectral response of a thin film tap with a high sensitivity PIN photodiode for power monitoring applications. Hybrid Tap/Detectors minimize integration costs and module size by combining two functions in one temperature stable package.



FEATURES

- Ultra flat, broadband spectral response
- Integrates tap and power monitoring functions
- Available as single component or array module
- Low insertion Loss

APPLICATIONS

Tap/Detectors are designed for power monitoring in broadband amplifiers, optical protection switches, and optical interface modules. Tap/Detectors eliminate the need for splicing together separate taps and pigtailed photodiodes.



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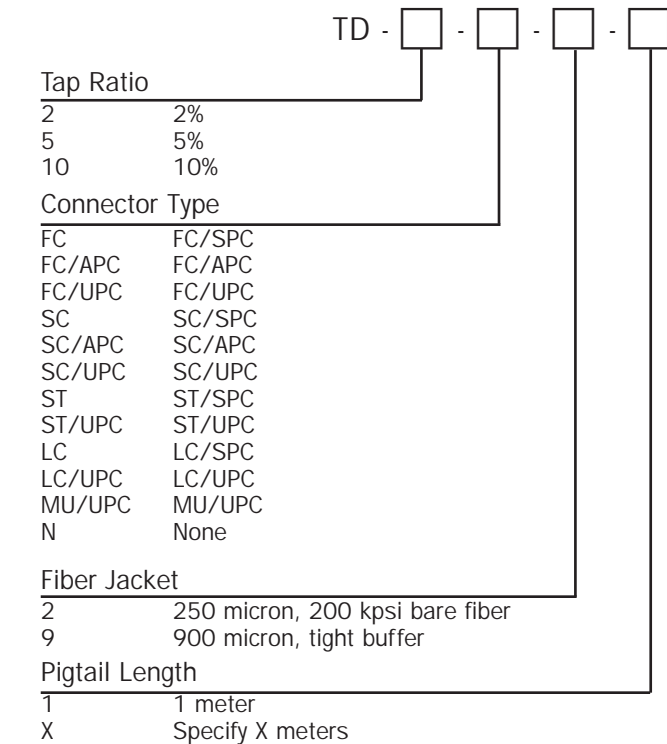
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SPECIFICATIONS¹

Optical insertion loss	2%	0.6 dB max.
	5%	0.8 dB max.
	10%	1.0 dB max.
Optical power	2%	14 dBm max.
	5%	10 dBm max.
	10%	7 dBm max.
Wavelength range	1525.0 - 1610.0 nm	
Wavelength flatness	0.1 dB	
Back-reflection	-45 dB max.	
PDL	0.05 dB typ., 0.1 dB max.	
PMD	0.1 ps max.	
Photodiode dark current	1 nA max. at T = 23°C and 5V bias	
	15 nA max. at T = 70°C and 5V bias	
Photodiode shunt resistance	10 Mohms min.	
Photodiode capacitance	8 pF max.	
Operating temperature	-5°C to +70°C	
Storage temperature	-40°C to +85°C	
Soldering temperature	+350°C max.	
Soldering time	3 sec max.	

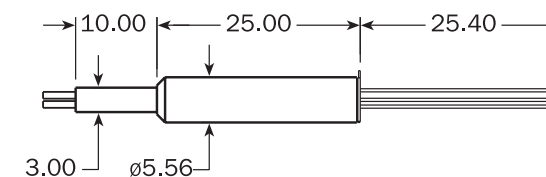
1. All specifications referenced without connectors.

ORDERING INFORMATION¹



1. Contact DiCon for available options.

HOUSING DIMENSIONS¹



Units: mm

1. Optional 13 mm PIN length by request.

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