



Fixed Value FC/APC Attenuator Kit

Description

Single mode fixed fiber optic attenuator assortment. This kit includes common values to help with your test and measurement needs. The input features a 2.2 mm wide key female connector, this makes the attenuators compatible with narrow key and wide key male connectors. The attenuators are fabricated with polarization insensitive doped fiber to enhance the spectral operating range. The attenuators come with a test report for 1310 and 1550 nm values.

Features

- Tight tolerances
- Wide temperature range
- High mating cycles
- High return loss
- 1W Power Capability
- 1200-1610 nm wavelength range
- Device tested at 1310 & 1550 nm

Applications

- Test a Test and Measurement
- Data Centers
- Telecom



Electro-Optical Characteristics ($T_{op} 23 \pm 3^{\circ}C$, unless otherwise specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
5 dB		4.7	5	5.3	dB	1310/1550 nm
10 dB		9.7	10	10.3	dB	1310/1550 nm
15 dB		14.6	15	15.4	dB	1310/1550 nm
20 dB		19.6	20	20.4	dB	1310/1550 nm
30 dB		29.5	30	30.5	dB	1310/1550 nm
Optical Return Loss	ORL	60			dB	1310/1550 nm

Absolute Maximum Ratings

Parameter	Symbol	Condition	Min.	Max.	Unit
Input Power	Pin			1	W
Temperature Range	T		-45	80	$^{\circ}C$

Operating at maximum ratings for a prolonged period will cause damage to the device.



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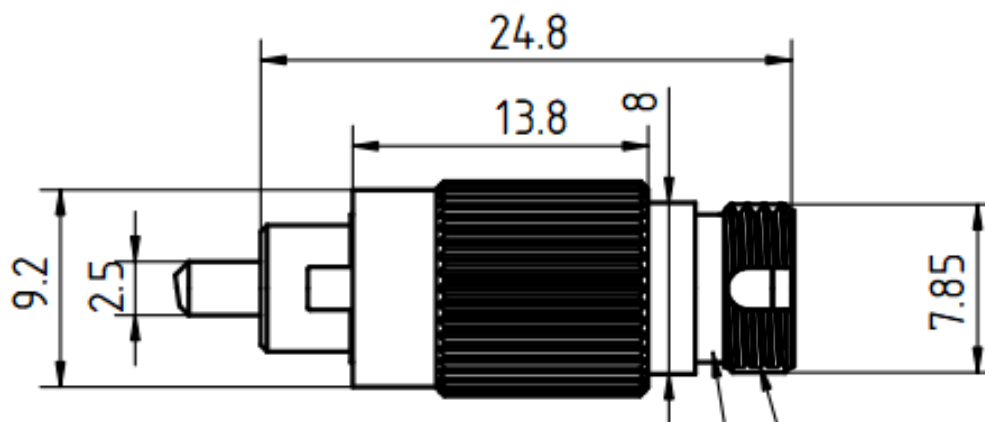
Definitions: Product status

Alpha Build: Devices in Alpha build are in internal engineering build and testing stages.

Beta Build: Devices in Beta build are for external customers and engineering sample testing stages.


Production Build: Customer ready devices

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Notes:

Dust caps included but not shown

DESIGNED BY: Vinny Gjokaj		FA-XX-FA		G	-
DATE: August 29 2024		Fixed Attenuator- No Value- FC/APC		F	-
SIZE A4		[All Units in mm] [Tolerances are +/- 0.1 mm unless specified]		E	-
SCALE 3:1	WEIGHT (kg) Weight	DRAWING NUMBER Revision 1.0	SHEET A4-Paper	D	-
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				B	-
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