

PRODUCT SPECIFICATION

Product code:

IXF-RAD-AMP-1

	Parameter	Specification	Units
1	Absorption @ 1530 nm	14 ±2	dB/m
2	Absorption @ 980 nm	8 ±1	dB/m
3	MFD @1550 nm	5.5 ±1	µm
4	Background losses	< 15	dB/km
5	Cutoff Wavelength	< 1150	nm
6	Cladding Diameter	125 ±2	µm
7	Coating Diameter	245 ±10	µm
8	Proof test level	100	kpsi
9	Splice Loss (to SMF28)	< 0.20	dB
10	RIA @1545nm	< 0.015	dB/m/kRad
11	RIA @980nm	< 0.025	dB/m/kRad
12	RIGV @1545nm	< 0.07	dB/kRad

Comments

RIA : Radiation Induced Attenuation

RIGV : Radiation Induced Gain Variation

RIGV has been measured in amplifier configuration with -20dBm 1545nm input signal and 100mW 976nm constant forward pumping (fiber length = 11m)

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