



RDR3200 HIGH-RELIABILITY GAIN-FLATTENING FILTER (GFF)

KEY FEATURES

- Flattens gain curve to $\leq \pm 0.10$ dB for most applications.
- Very low systematic errors, average error reduces with the number of devices concatenated.
- Raman or EDFA shapes, up to 100nm bandwidth, 10dB peak loss.
- Rapid turnaround on prototypes or shape-correction filters.
- Athermal package qualified to Telecordia I209 and I221 standards.
- Qualified for Subsea applications.

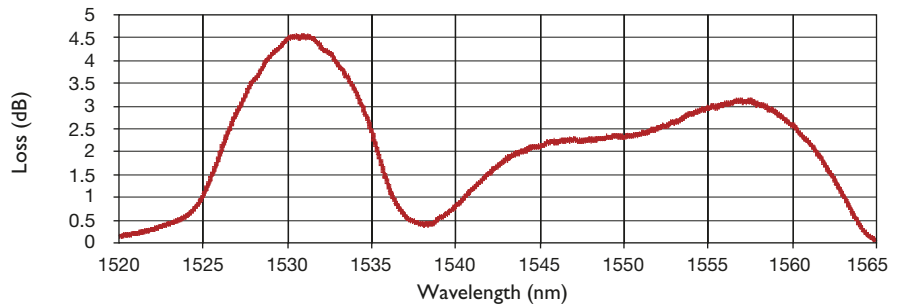
DESCRIPTION

Redfern offers **High-Reliability Gain-Flattening Filters** based on fiber Bragg grating technology for the minimisation of the OSNR penalty in an optical link. All of our GFF products are custom designed and engineered to best match our customer's spectral loss requirements for a given link design. GFF shapes can be precisely matched to a measured loss budget or EDFA fiber gain profile.

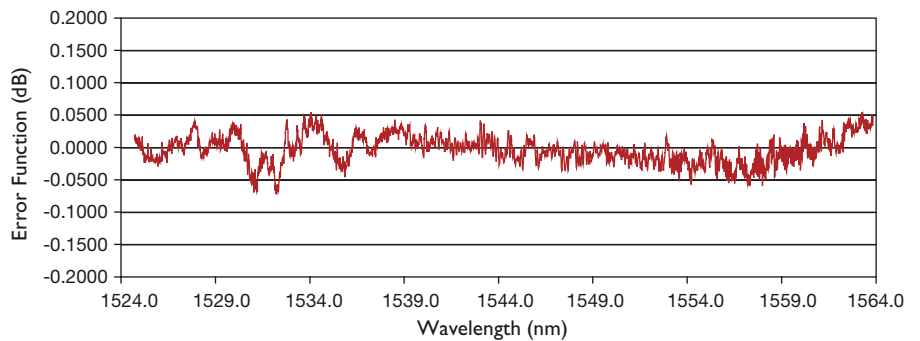
SALES REP CONTACT INFORMATION:



SAMPLE GFF LOSS SPECTRA



ERROR FUNCTION FOR 5DB PEAK LOSS GFF



SPECIFICATIONS (Valid over operating temperature range)

Component Parameters	Specifications	Unit
Loss spectrum shape:	To customer data	
Wavelength range	1460 to 1640	nm
Peak loss	up to 10	dB
Excess insertion loss	0.4 to 0.8	dB
Insertion loss variation (device to device)	± 0.05	dB
Error function	± 0.1	dB
Operating temperature	-5 to 70	$^{\circ}\text{C}$
Storage temperature	-40 to 85	$^{\circ}\text{C}$
PDL	0.05	dB
PMD	0.05	psec
Projected FIT	0.1	10^9 hours
Dimensions	$\varnothing 6 \times 90$	mm

Specifications are subject to change without notice. March 2009. No warranty or guarantee is given by ROC that a product will perform to specification unless set out in the conditions of sale of the product or required by law. ROC068/RDR3200_0309

PERFORMANCE, INTEGRITY & EXCELLENCE