



RDR2100 – SINGLE-CHANNEL DISPERSION COMPENSATING FBG FOR TRANSPONDER APPLICATIONS

KEY FEATURES

- No athermal pack needed
- Low insertion loss
- Ultra-low group delay ripple (GDR)
- Highly accurate slope compensation
- Lower price point

APPLICATIONS

- Transponders or single channel Tx/Rx subassemblies

DESCRIPTION

The **RDR2100 – Single-Channel Dispersion Compensating Fiber Bragg Grating** delivers a breakthrough solution in dispersion compensation. This standard single channel dispersion compensating grating has been designed specifically to harness the performance and flexibility of Redfern's proprietary direct UV-Writing technology, **ROC Direct Rite™**.

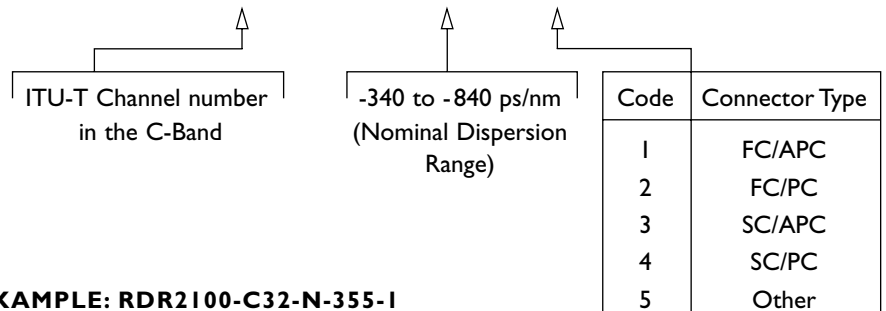
SALES REP CONTACT INFORMATION:

SPECIFICATIONS: RDR2100	
Centre wave lengths (λ_c) @ 25°C	C-band 100GHz
Clear channel bandwidth @ -0.5dB	>0.3 ¹ (nm)
Target dispersion range	-340 to -850 (ps/nm)
Dispersion tolerance	+/-3 (%)
Group delay ripple	<+/-10 (ps)
Insertion loss	<1 (dB)
Grating length (depends on selected target dispersion)	<130 (mm)
Fiber type	SMF-28
Fiber pigtail length	1m-FBG-1m
Operating temperature range	0 to +50 (°C)
Storage temperature range	-40 to +80 (°C)
Packaging	Recoated polyacrylate

1. Actual reflection bandwidth much larger

ORDERING INFORMATION:

Part No: **RDR2100-** □ □ □ **- N -** □ □ □ □ **-** □



EXAMPLE: RDR2100-C32-N-355-1

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/RDR2100_0309

PERFORMANCE, INTEGRITY & EXCELLENCE

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