DIAMOND
Fiber Optic Components

NETWORK ACCESSORIES

OGR

(Optical Gold Reflectors)

SINGLE MODE PC/APC

DESCRIPTION

Reflectors are normally used as fiber termination with the highest possible back reflection.
They are mainly deployed in device manufacturing or LABs for calibration purposes, or for measuring back reflection within fiber-optic components. They are also used to provide reference reflection levels by measuring the sensitivity of sources to back reflection from other devices.
Diamond reflectors are small-sized modules available with SM fiber for PC/APC versions, and provide high reflection thanks to a gold-coated fiber end.

Ferrule type

Standard ø 2,5mm & ø 1,25 mm Zirconia/metal insert

SPECIFICATIONS

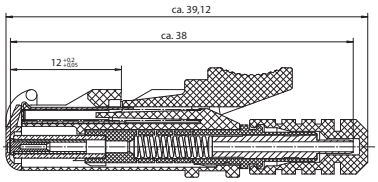
	SINGLE MODE PC/APC	UNITS	TEST CONDITIONS
Return Loss (Including connector loss)	Typ. 0.5	dB	IEC 61300-3-6; λ = 1310/1550nm
Polarization dependence of return loss	Typ. 0.2 max. 0.3	dB	IEC 61300-3-2; λ = 1550nm
Wavelength dependence of return loss	Typ. 0.5 max. 0.8	dB	IEC 61300-3-7; λ = from 1280 to 1580nm
Repeatability of RL	max +/- 0.1	dB	IEC 61300-3-6; λ = 1310/1550nm
Service life	500 mate/demate		IEC 61300-2-2
Operating temperature	-25 / +70	°C	IEC 61300-2-22
Storage temperature	-40 / +85	°C	

TYPES AND DIMENSIONS

OGR E-2000™

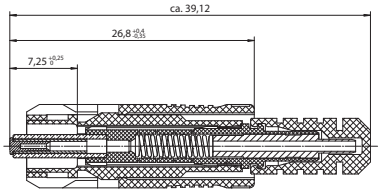
Standard plastic housing and latch:
Blue (PC), green (APC)

(Other latch colors or latches with mechanical keying available upon request.
Please refer to the part-specific E-2000™ Simplex datasheet)



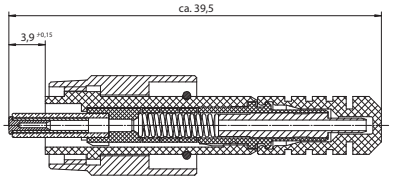
OGR SC

Standard plastic housing:
Blue (PC), green (APC)



OGR FC

Standard metal housing



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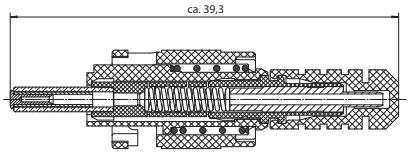
Specifications subject to change without notice

BDD 1950246 11_14

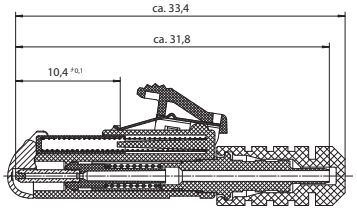
OGR ST™

Standard black plastic housing



OGR F-3000™ (LC)

Standard plastic housing and latch: Blue (PC), green (APC)
(ø 1.25 mm Ferrule)



ORDER INFORMATION

Please refer to the part numbers provided in the separate P/N list.
For other configurations, please contact your nearest local Diamond representative or fill in the contact form available on the **www.diamond-fo.com** website.

Other versions upon request