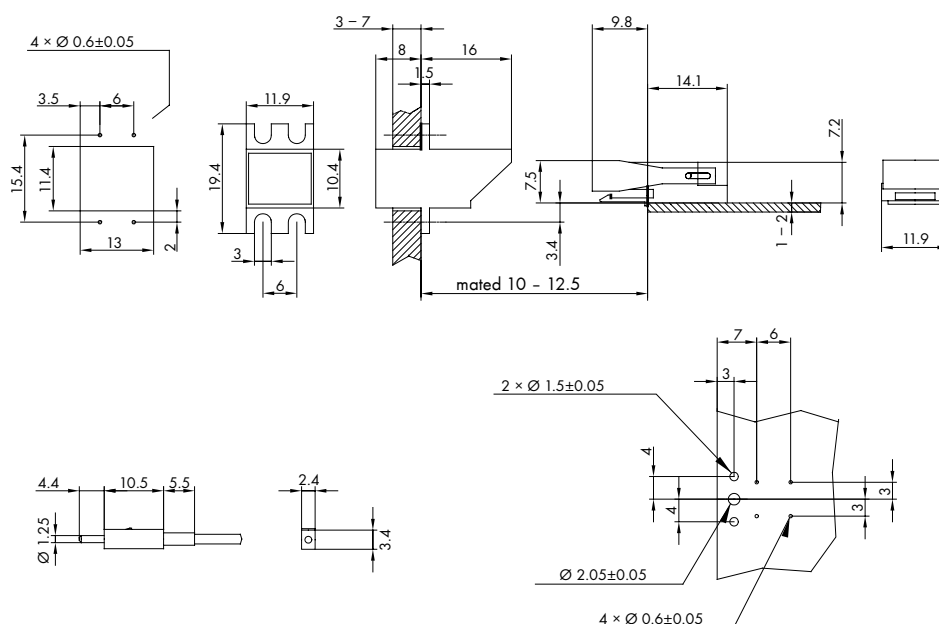# FIBERGATE BACKPLANE CONNECTOR

Features

- fiber optic connector with integrated adapter
- full-ceramic ferrule inserts with individual configuration
- guaranteed transmission safety
- lateral floating compensation
- dust protection for connector and adapter
- populated with 1 to 4 Ø 1.25 mm ferrules
- snap-on mounting

Specifications

mechanical resistance	30 N tensile load
operating temperature	–25 °C to +70 °C
durability	min. 500 mating cycles
force on PCB after mating	force-free, length compensation
longitudinal/lateral float	2.5 mm / 0.5 mm
connecting/disconnecting forces	typical 15 N for all 4 connections
highest packing density	4 connections within 12 mm
protection of fiber end face	dust cap
cable diameter	0.9 or 1.7 mm

Optical performance

insertion loss singlemode (E9/125)	typ. 0.12 dB / 97% 0.25 dB (each-to-each)
return loss	PC > 45 dB, APC 85 dB

FIBERGATE BACKPLANE CONNECTOR

Ordering information: backplane system

Description		Type
backplane housing without inserts		FGAT–BP–A001–4
backplane housing fixing		FGAT–FIX–A001
databoard housing without inserts		FGAT–BP–A002–4
databoard housing fixing		FGAT–FIX–A002
insert (1.25 mm ferrule)	PC	FGAT–INS–A001
insert (1.25 mm ferrule)	APC	FGAT–INS–A601
crimpset 0.9 mm	PC	FGAT–CS–A002
crimpset 0.9 mm	APC	FGAT–CS–A003
crimpset 1.7 mm	PC and APC	FGAT–CS–A001
key for insert disassembly		FGAT–KEY–A001
inspection device adapter for backplane connector[1]		FGAT–TIP–A001
inspection device adapter for databoard connector[1]		FGAT–TIP–A002
cleaning devices		FGAT–CLN–A001
cleaning stripes for FGAT–CLN–A001 (Set of 10 pieces)		FGAT–WPS–A001

1) Video inspection device from NOYES

databoard housing   backplane housing

insert