

Fibreoptic Feedthroughs Multi-mode with SMA connectors 150-UV4-S-S-1000-C16 and other types

This new fibreoptic feedthrough has some advanced features. There is one continuous fibre from the air side to the vacuum side, so there is no need for a second coupling. The result is lower losses and a cost saving compared to existing versions already on the market. All desired length are possible, the fibre can also be extended on the air side!

Specifications

Vacuum	UHV, leak rate < 5x10 ⁻¹⁰ mbar l/s
Seal	All Metal
Connectors	Stainless Steel (Vacuum side)
Temperature	200°C bakeout, -25...+75°C working
fibre Type	Multi-Mode fibre, Step Index, 200/400/600µm Core ø UV grade or IR grade
Num. Aperture	0.22

IR fibre Type

Transmission	(400...) 600 – 2000nm
Damping of fibre	~0.1 dB /m at 400nm ~0.05 dB/m at 600nm ~0.03 dB/m at 1000nm ~0.03 dB/m at 1600nm

UV fibre Type

Transmission	(200...) 400 – 1600nm
Damping of fibre	~3 dB /m at 200nm ~0.05 dB/m at 400nm <0.15 dB/m 400 ... 900nm

Connectors

	FSMA-905 both sides, (= SMA) ferrule without nut optional on vacuum side M2.6 Thread optional
Standard lengths	up to 1000mm

Additional notes:

Versions on KF flanges, other lengths or combinations are available on request.

Accessories like protection caps, prisms, collimators etc are available.



Fibreoptic feedthrough with SMA connectors on CF16 flange

