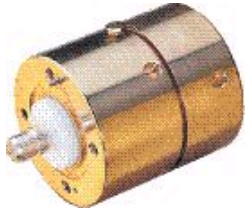


78AS

1-5/8 in EIA Male Flange without gas barrier for 3 in HJ8-50B air dielectric cable



CHARACTERISTICS

General Specifications

Interface	1-5/8 in EIA Male Flange
Body Style	Straight
Brand	HELIAX®
Gas Barrier	No
Mounting Angle	Straight

Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 1640 MHz
Cable Impedance	50 ohm
RF Operating Voltage, maximum (vrms)	3880.00 V
dc Test Voltage	11 kV
Insulation Resistance, minimum	5000 MOhm
Average Power	4.9 kW @ 900 MHz
Peak Power, maximum	300.00 kW
Insertion Loss, typical	0.05 dB

Mechanical Specifications

Outer Contact Attachment Method	Tab-flare
Inner Contact Attachment Method	Thread-in stub
Outer Contact Plating	Unplated
Inner Contact Plating	Unplated

Dimensions

Nominal Size	3 in
Diameter, maximum	91.82 mm 3.62 in

Product Specifications



78AS

Length 98.43 mm | 3.88 in
Weight 3.30 kg | 7.28 lb

Environmental Specifications

Operating Temperature -40 °C to +150 °C (-40 °F to +302 °F)
Storage Temperature -70 °C to +100 °C (-94 °F to +212 °F)

Return Loss

Frequency Band	VSWR	Return Loss (dB)
450–1000 MHz	1.02	40.00
1000–2000 MHz	1.03	38.00
2000–3000 MHz	1.05	33.00
3000–4000 MHz	1.02	39.00
4000–5200 MHz	1.11	26.00

* Footnotes

Insertion Loss, typical $0.05\sqrt{\text{freq (GHz)}}$ (not applicable for elliptical waveguide)