



**PRODUCT DATASHEET**  
**318EIA-HJA318-001**

3-1/8" EIA Connector for 3-1/8" HELICABLE™ HJA318-50A Air-Dielectric Coaxial Cable, Gas Stop / Gas Pass

HELICABLE™ High Performance Coaxial cable connectors have very low losses and provide a gas tight seal when installed to 3-1/8" HJA318-50A air dielectric cable. HELICABLE™ connectors can be installed with common basic hand tools. Tab flare flange of outer & inner connection and simple O-ring and gasket seal eases installation of the connector.

## FEATURES

### • VSWR

HELICABLE™ Coaxial cable connectors have low VSWR that contribute to system performance.

### • Sealing

HELICABLE™ Coaxial cable connectors have firm gas tight fittings maintaining sealed pressure throughout the system.

### • Attenuation

HELICABLE™ Coaxial cable connectors have low attenuation resulting in extremely efficient transfer of your RF signal.

### • Installation

HELICABLE™ Coaxial cable connectors are easily installed using common basic hand tools.



EIA Connector for  
HELICABLE™  
Air-Dielectric Coaxial Cable  
For illustration purposes only

## Technical Details

### GENERAL SPECIFICATIONS

Transmission Line Type		Coaxial Cable
Cable Size		3-1/8"
Cable Type		Air Dielectric
Model		HJA318-50A
Connector Interface		3-1/8" EIA
Connector Type		Gas stop / Gas pass* (drill through predrilled holes in the insulator)
Sealing Method		O-ring & gasket
Gender		Female, with separate Male inner anchor connector

### ELECTRICAL SPECIFICATION

Impedance	$\Omega$	50
Insertion Loss	dB	0.05
VSWR, Return Loss	VSWR (dB)	$\leq 1.06$ (-30.7)

### MECHANICAL SPECIFICATION

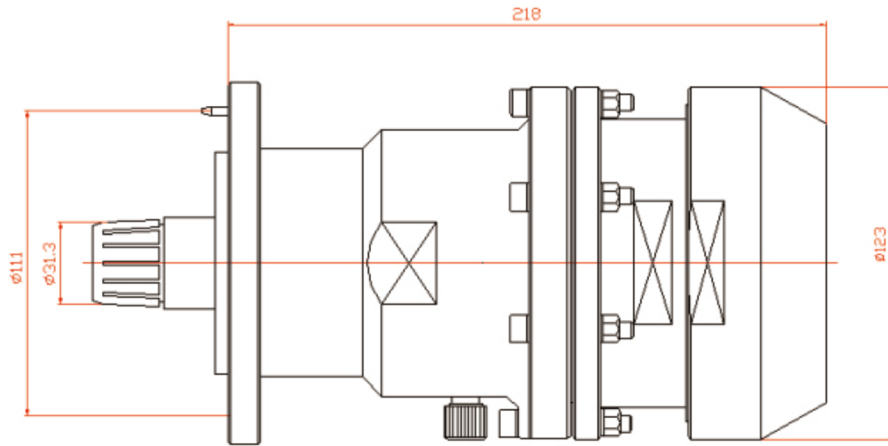
Plating Inner (contact faces)		Silver
Plating Outer		Nickel
Length	mm (in)	218 (8.6)
Outer Diameter	mm (in)	130 (5.1)
Gas Inlet		1/8" NPT



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318EIA-HJA318-001 connector, dimensions in mm