



7/16 (DIN) Series

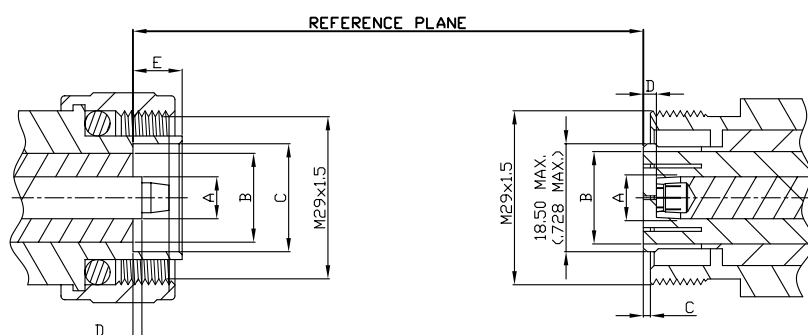
7/16 (DIN) Series

7/16 series is a very popular coaxial connector, which is supplied with a threaded coupling interface. It is a larger precision weatherproof connector. This connector can be operated up to 7.5GHz, and its impedance is controlled at 50 ohms. 7/16 connectors are suitable for the standard ranges of flexible, semi-rigid, and corrugated cable types. This series of connectors are fit for applications where vibration resistance and environmental protection are required.

Applications:

*antennas *base stations *broadcast communication systems *jumper cables

7/16 Interface Dimensions:



PLUG

JACK

7/16 Series					
PLUG			JACK		
	Minimum	Maximum		Minimum	Maximum
A	7.00(.708)nom.			7.00(.708)nom.	
B	15.85(.624)	16.25(.640)		15.85(.624)	16.25(.640)
C	18.03(.710)	18.21(.717)		0.50(.020)	0.70(.028)
D	1.47(.058)	1.77(.070)		1.77(.070)	2.07(.082)
E	7.00(.272)	8.00(.315)			

*Millimeters(Inches)



Materials :

Connector part	Material	Finish
Bodies	Brass	Silver
Center Contact	Male: Brass Female: Brass, Phosphor Bronze, or Beryllium copper	Silver
Insulator	Teflon	N/A
Crimp ferrule	Annealed copper	Silver

Electrical :

Electrical Data	Detail
Impedance	50 ohm
Frequency range	0~7.5GHz
Working voltage	2,700 Volts rms max.
Insulation resistance	5,000 megohms min.
Dielectric withstanding voltage	4,000 Volts rms min.
Contact resistance	Center contact: 0.4 milliohm Outer contact: 0.2 milliohm
VSWR: f(GHz)	Straight: 1.3 max. Right angle: 1.5 max.

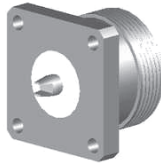
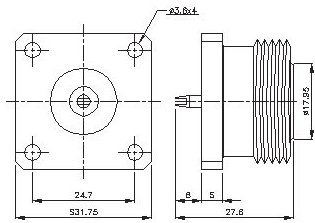
Mechanical :

Mechanical Data	Detail
Coupling nut retention	225 lbs max.
Coupling proof torque	310 in-lbs max.
Connector durability	500 cycles min.
Contact retention	45 lbs min.

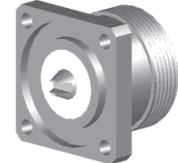
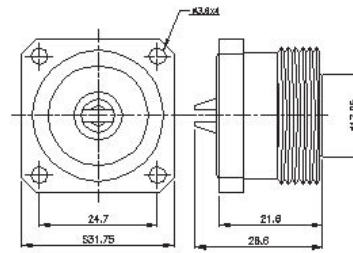
Environmental :

Environmental Data	Detail
Corrosion (Salt spray)	MIL-STD-202 METHOD 101 TEST CONDITION B
Thermal shock	MIL-STD-202 METHOD 107 TEST CONDITION B
Vibration	MIL-STD-202 METHOD 204 TEST CONDITION B
Mechanical shock	MIL-STD-202 METHOD 213 TEST CONDITION I
Temperature range	-65°C to 165°C

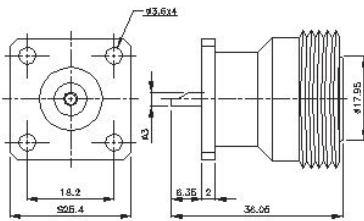
7/16 STRAIGHT JACK 4 HOLES FLANGE MOUNT RECEPTACLE



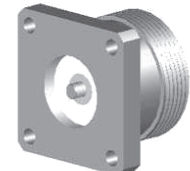
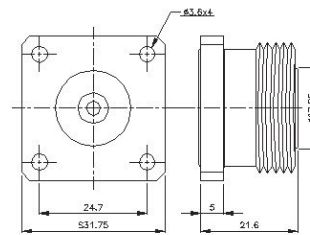
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716-07-TSS



PART NUMBER:
716-07V4-TSS

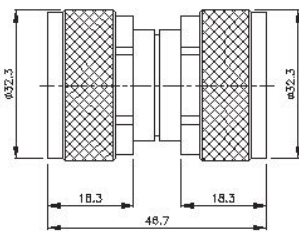


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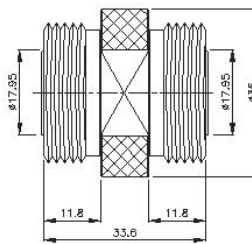
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7/16 PLUG - PLUG ADAPTOR



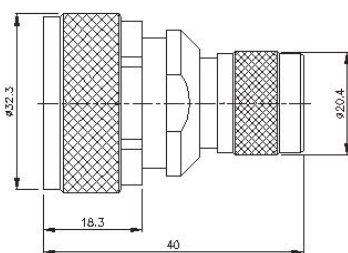
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7/16 JACK - JACK ADAPTOR



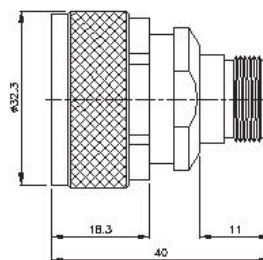
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716-09-TSS

716 PLUG - PLUG ADAPTOR



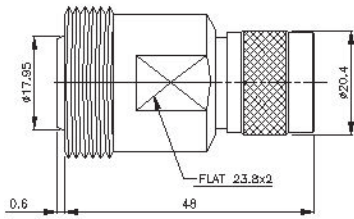
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MINI UHF PLUG - JACK ADAPTOR



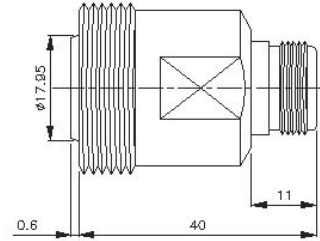
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716-13-TSS

716 JACK -N PLUG ADAPTOR



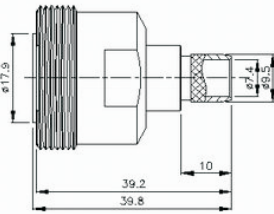
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716 JACK - N JACK ADAPTOR

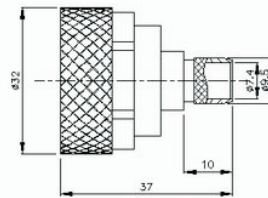


PART NUMBER:
716-12-TSS

7/16 CRIMP FOR CABLE TYPE



PART NUMBER:
716-03B-TSS



PART NUMBER:
716-04B-TSS