

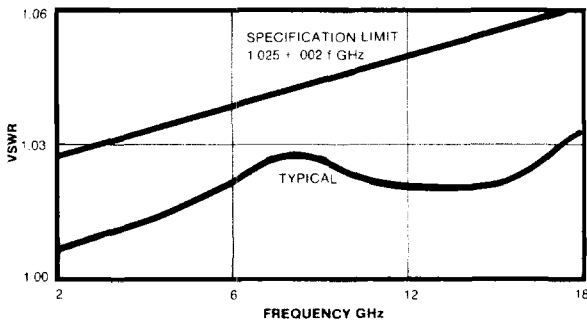
Precision Adapters

OSM(SMA) to 7mm

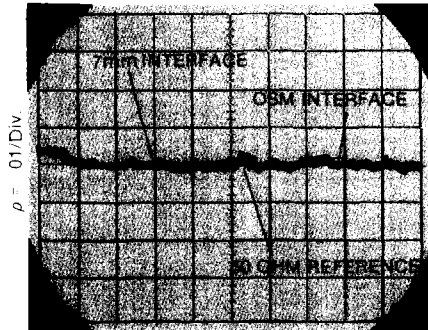
Adapter Part Numbers 2082-2700-00 and 2081-2700-00 provide a means of adapting from 7mm equipped precision test instrumentation to devices and components using OSM connectors.

The option of full fluted body style aids in inhibiting over-torquing of the connector between the two 7mm connectors, thus providing longer useful life while maintaining precision interfaces.

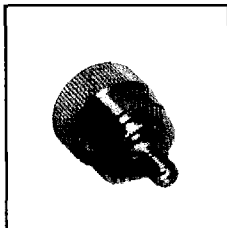
TYPICAL PERFORMANCE OF 2082-2700-00 and 2081-2700-00 ADAPTERS



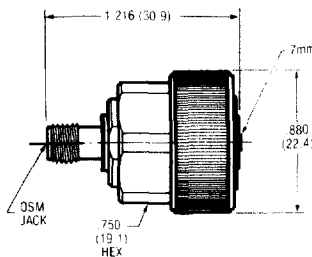
ADAPTERS 30 Picosecond Risetime Pulse TDR Trace



200-inch/Div.

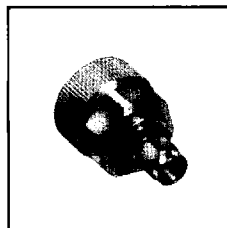


OSM Jack to 7mm

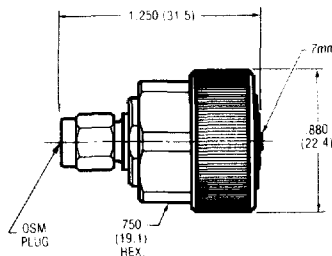


DC - 18.0 GHz	
Max. VSWR 1.025 + .002fGHz	
Part Number	2082-2700-00
Full Fluted Connector	
Part Number	7482-2240-00
DC - 12.0 GHz	
Part Number	7082-2240-04

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Finish: 7mm: Electropolished stainless steel, OSM: Passivated stainless steel



OSM Plug to 7mm



DC - 18.0 GHz	
Max. VSWR 1.025 + .002fGHz	
Part Number	2081-2700-00
Full Fluted Connector	
Part Number	7481-2241-00
DC - 12.0 GHz	
Part Number	7081-2241-04

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Finish: 7mm: Electropolished stainless steel, OSM: Passivated stainless steel

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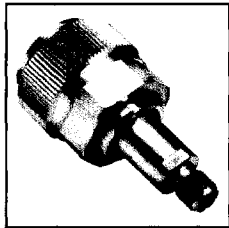
North America: Tel. (800) 366-2266
Fax (800) 618-8883

Asia/Pacific: Tel. +85 2 2111 8088
Fax +85 2 2111 8087

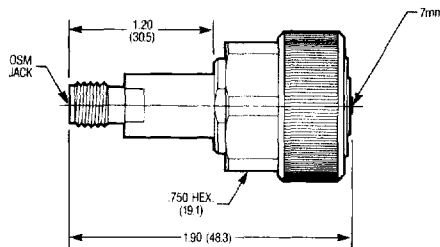
Europe: Tel. +44 (1344) 869 595
Fax +44 (1344) 300 020

Precision Adapters

OSM(SMA) to 7mm

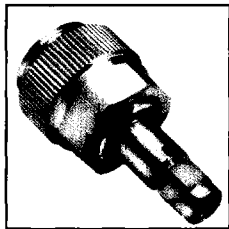


Long Neck - OSM Jack to 7mm

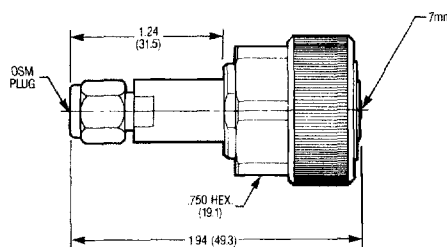


DC - 18.0 GHz	
Max. VSWR 1.025 + .0025fGHz	
Part Number	7082-2240-03
Full Fluted Connector	
Part Number	7482-2240-03

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Finish: 7mm: Electropolished stainless steel.
OSM: Passivated stainless steel

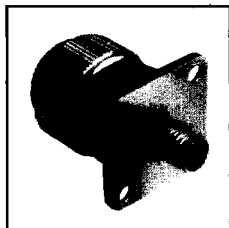


Long Neck - OSM Plug to 7mm

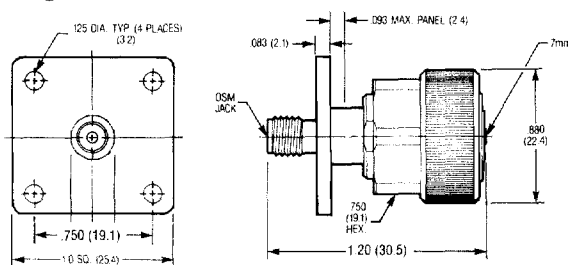


DC - 18.0 GHz	
Max. VSWR 1.025 + .0025fGHz	
Part Number	7081-2241-03
Full Fluted Connector	
Part Number	7481-2241-03

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Finish: 7mm: Electropolished stainless steel.
OSM: Passivated stainless steel



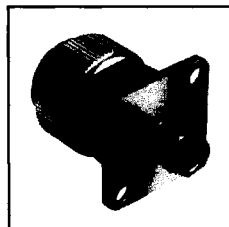
Flange Mount - OSM Jack to 7mm



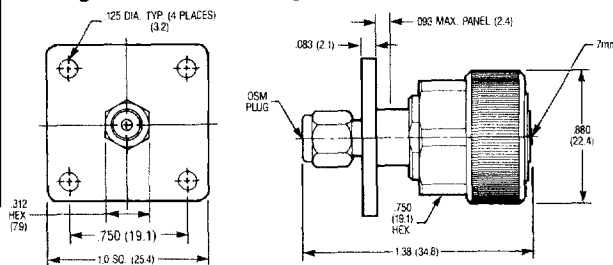
DC - 18.0 GHz	
Max. VSWR 1.025 + .002fGHz	
Part Number	7082-2242-00
Full Fluted Connector	
Part Number	2096-2701-00

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Finish: 7mm: Electropolished stainless steel.
OSM: Passivated stainless steel

Mounting hole .900 dia. minimum



Flange Mount - OSM Plug to 7mm



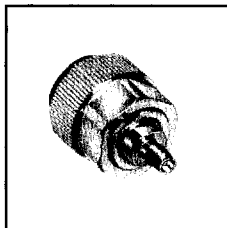
DC - 18.0 GHz	
Max. VSWR 1.025 + .002fGHz	
Part Number	7082-2243-00
Full Fluted Connector	
Part Number	2095-2701-00

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Finish: 7mm: Electropolished stainless steel.
OSM: Passivated stainless steel

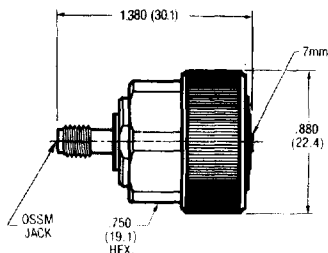
Mounting hole .900 dia. minimum

Precision Adapters

OSSM(SSMA) to 7mm

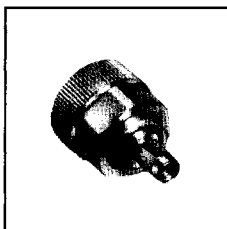


OSSM Jack to 7mm

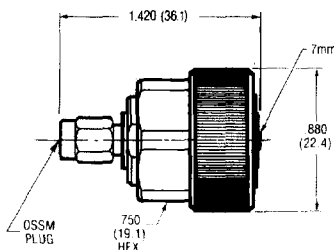


DC - 18.0 GHz Max. VSWR 1.03 + .003fGHz	
Part Number	1082-2700-00
Full Fluted Connector	
Part Number	1082-2701-00

Finish: 7mm: Electropolished stainless steel,
OSSM: Passivated stainless steel



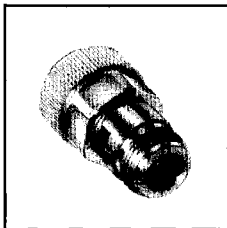
OSSM Plug to 7mm



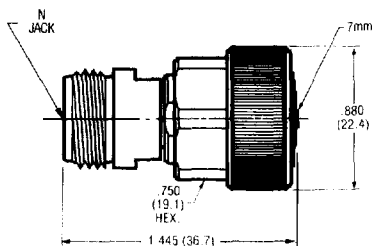
DC - 18.0 GHz Max. VSWR 1.03 + .003fGHz	
Part Number	1081-2700-00
Full Fluted Connector	
Part Number	1081-2701-00

Finish: 7mm: Electropolished stainless steel,
OSSM: Passivated stainless steel

Type N to 7mm



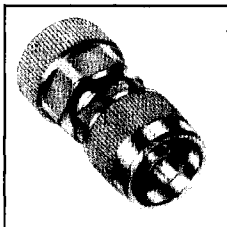
N Jack to 7mm



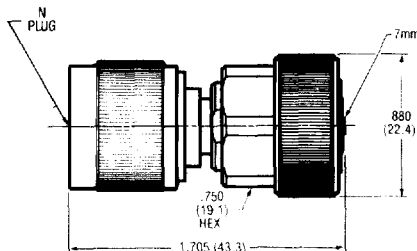
DC - 18.0 GHz Max. VSWR 1.015 + .0025fGHz	
Part Number	7082-2300-00
Full Fluted Connector	
Part Number	7482-2300-00
DC - 18.0 GHz Max. VSWR 1.03 + .002fGHz	
Part Number	7082-5004-00
Full Fluted Connector	
Part Number	7482-5004-00

Conforms to the mechanical and electrical requirements
of the Standard Test Connector MIL-C-39012/B
Amendment 1.

Finish: 7mm: Electropolished stainless steel,
N: Passivated stainless steel



N Plug to 7mm



DC - 18.0 GHz Max. VSWR 1.015 + .0025fGHz	
Part Number	7081-2301-00
Full Fluted Connector	
Part Number	7481-2301-00
DC - 18.0 GHz Max. VSWR 1.03 + .002fGHz	
Part Number	7081-5008-00
Full Fluted Connector	
Part Number	7481-5008-00

Conforms to the mechanical and electrical requirements
of the Standard Test Connector MIL-C-39012/B
Amendment 1.

Finish: 7mm: Electropolished stainless steel,
N: Passivated stainless steel

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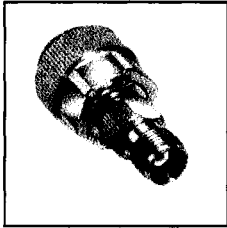
North America: Tel. (800) 366-2266
Fax (800) 618-8883

Asia/Pacific: Tel. +85 2 2111 8088
Fax +85 2 2111 8087

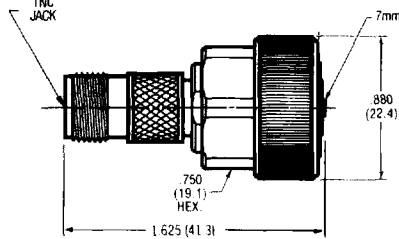
Europe: Tel. +44 (1344) 869 595
Fax +44 (1344) 300 020

Precision Adapters

TNC to 7mm

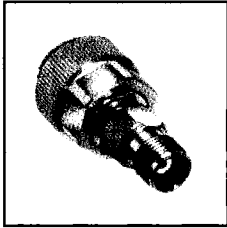


TNC Jack to 7mm

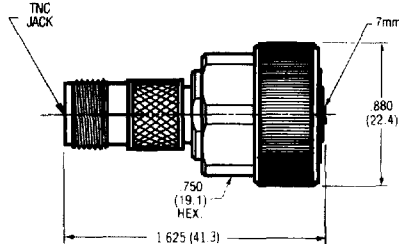


DC - 16.0 GHz	
Max. VSWR 1.02 + .006fGHz	
Part Number	7082-2310-00
Full Fluted Connector	
Part Number	7482-2310-00
DC - 16.0 GHz	
Max. VSWR 1.02 + .003fGHz	
Part Number	7082-5005-00
Full Fluted Connector	
Part Number	7482-5005-00

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Finish: 7mm: Electropolished stainless steel.
TNC: Passivated stainless steel

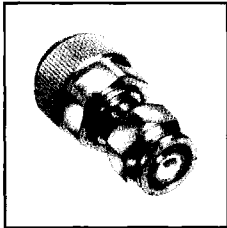


TNC Jack to 7mm - Mode Free to 18 GHz

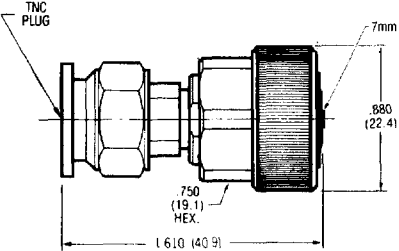


Max. VSWR	
DC-4GHz 1.04:1	
4-12.4GHz 1.09:1	
12.4-18GHz 1.13:1	
Part Number	7082-5016-00
Type A TNC Interface	
Part Number	7082-2410-00

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Type A TNC Interface per MIL-STD-348 Fig. 313.3 (male) and 313.4 (female).
Finish: 7mm: Electropolished stainless steel.
TNC: Passivated stainless steel

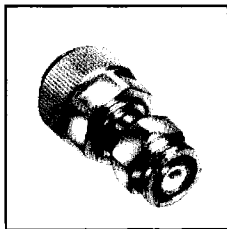


TNC Plug to 7mm

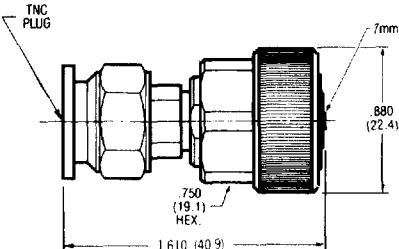


DC - 16.0 GHz	
Max. VSWR 1.02 + .006fGHz	
Part Number	7081-2311-00
Full Fluted Connector	
Part Number	7481-2311-00
DC - 16.0 GHz	
Max. VSWR 1.02 + .003fGHz	
Part Number	7081-5009-00
Full Fluted Connector	
Part Number	7481-5009-00

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Finish: 7mm: Electropolished stainless steel.
TNC: Passivated stainless steel



TNC Plug to 7mm - Mode Free to 18 GHz

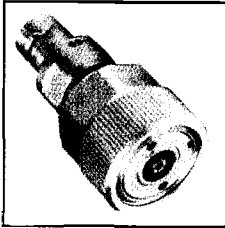


Max. VSWR	
DC-4GHz 1.04:1	
4-12.4GHz 1.09:1	
12.4-18GHz 1.13:1	
Part Number	7081-5022-00
Type A TNC Interface	
Part Number	7081-2141-00

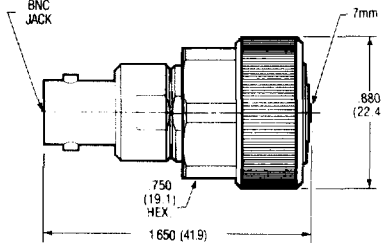
Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Type A TNC Interface per MIL-STD-348 Fig. 313.3 (male) and 313.4 (female).
Finish: 7mm: Electropolished stainless steel.
TNC: Passivated stainless steel

Precision Adapters

BNC to 7mm

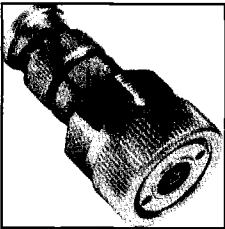


BNC Jack to 7mm

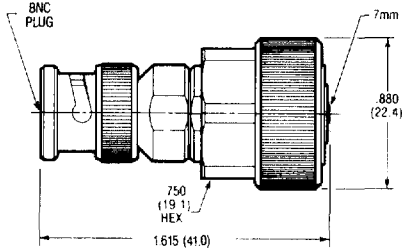


DC-4.0 GHz	
Max. VSWR 1.12 + .007fGHz	
Part Number	7082-2320-00
Full Fluted Connector	
Part Number	7482-2320-00

Finish: 7mm: Electropolished stainless steel,
BNC: nickel plated brass



BNC Plug to 7mm



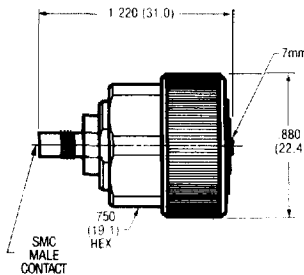
DC-4.0 GHz	
Max. VSWR 1.12 + .007fGHz	
Part Number	7081-2321-00
Full Fluted Connector	
Part Number	7481-2321-00

Finish: 7mm: Electropolished stainless steel,
BNC: nickel plated brass

SMC to 7mm



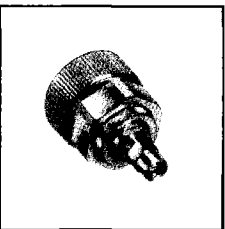
SMC Jack to 7mm



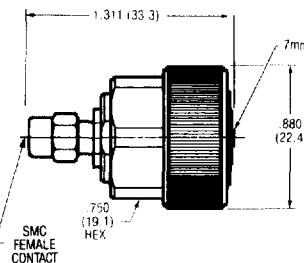
DC-12.4 GHz	
Max. VSWR 1.015 + .004fGHz	
Part Number	5082-2700-00
Full Fluted Connector	
Part Number	7482-2222-00

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.

Finish: 7mm: Electropolished stainless steel,
SMC: Passivated stainless steel



SMC Plug to 7mm



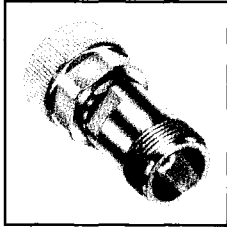
DC-12.4 GHz	
Max. VSWR 1.015 + .004fGHz	
Part Number	5081-2700-00
Full Fluted Connector	
Part Number	7481-2221-00

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.

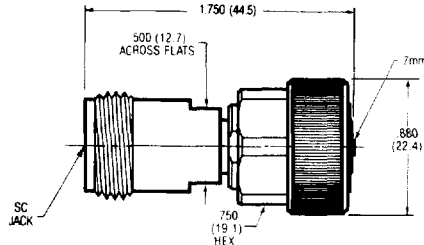
Finish: 7mm: Electropolished stainless steel,
SMC: Passivated stainless steel

Precision Adapters

SC to 7mm

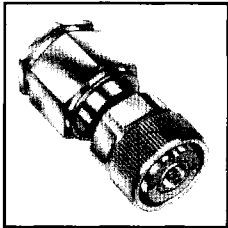


SC Jack to 7mm

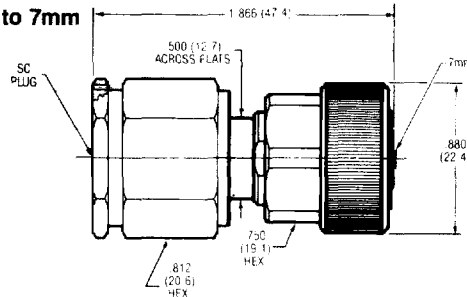


DC-11.0 GHz Max. VSWR 1.015 + .005fGHz	
Part Number	7082-2340-00
Full Fluted Connector	
Part Number	7482-2340-00

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Finish: 7mm: Electropolished stainless steel.
SC: Passivated stainless steel



SC Plug to 7mm



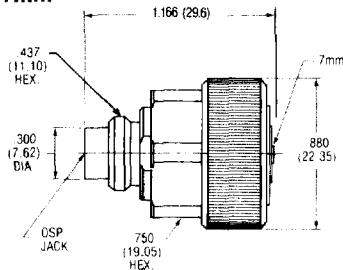
DC-11.0 GHz Max. VSWR 1.015 + .005fGHz	
Part Number	7081-2341-00
Full Fluted Connector	
Part Number	7481-2341-00

Conforms to the mechanical and electrical requirements of the Standard Test Connector MIL-C-39012/B Amendment 1.
Finish: 7mm: Electropolished stainless steel.
SC: Passivated stainless steel

OSP(BMA) to 7mm



OSP Jack to 7mm

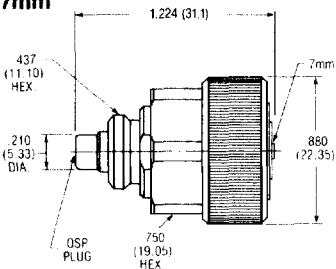


DC-18.0 GHz Max. VSWR 1.03 + .004fGHz	
Part Number	4582-2700-00
DC-18.0 GHz Max. VSWR 1.03 + .004fGHz Full Fluted Connector	
Part Number	4582-2701-02

Finish: 7mm: Electropolished stainless steel.
OSP: Passivated stainless steel



OSP Plug to 7mm

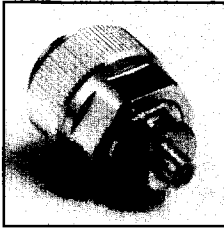


DC-18.0 GHz Max. VSWR 1.03 + .004fGHz	
Part Number	4581-2700-00
DC-18.0 GHz Max. VSWR 1.03 + .004fGHz Full Fluted Connector	
Part Number	4581-2701-02

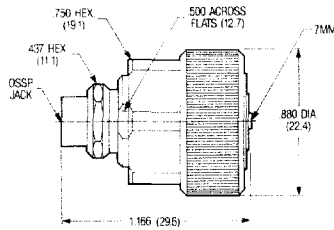
Finish: 7mm: Electropolished stainless steel.
OSP: Passivated stainless steel

Precision Adapters

OSSP to 7mm

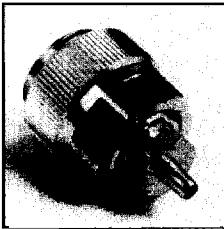


OSSP Jack to 7mm

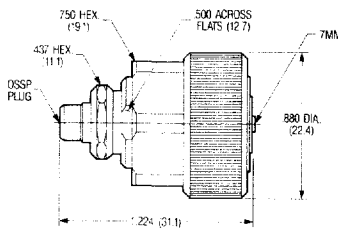


Part Number	4782-2700-00
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Finish: 7mm: Electropolished stainless steel,
OSSP: Passivated stainless steel



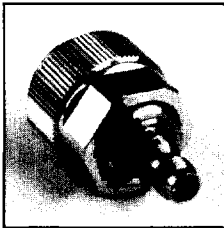
OSSP Plug to 7mm



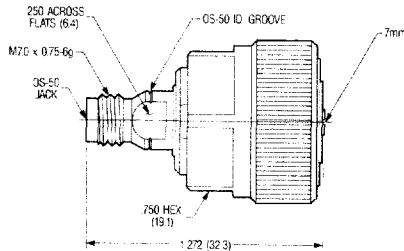
Part Number	4781-2700-00
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Finish: 7mm: Electropolished stainless steel,
OSSP: Passivated stainless steel

OS-50(2.4mm) to 7mm



OS-50 Jack to 7mm

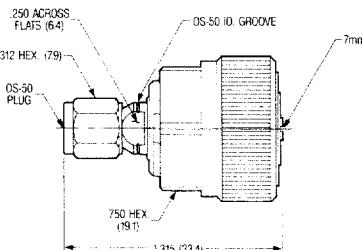


Part Number	8582-2700-00
Frequency	DC - 18.0 GHz
Return Loss	28dB

Finish: 7mm: Electropolished stainless steel,
OS-50: Passivated stainless steel



OS-50 Plug to 7mm



Part Number	8581-2700-00
Frequency	DC - 18.0 GHz
Return Loss	28dB

Finish: 7mm: Electropolished stainless steel,
OS-50: Passivated stainless steel

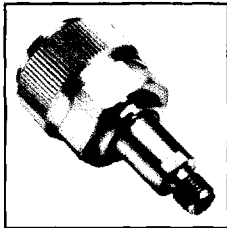
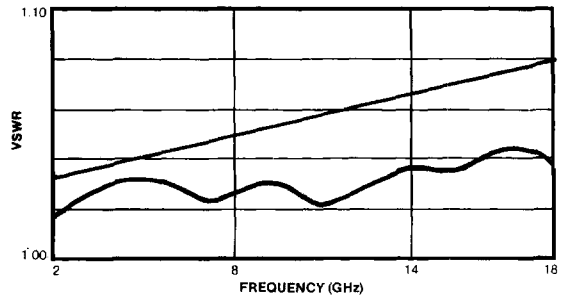
Precision Adapters

7mm to 3.5mm

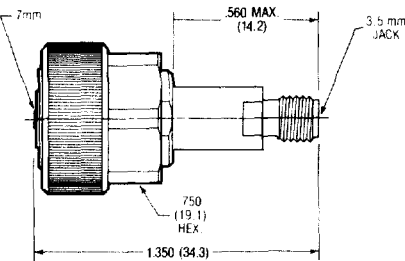
3.5mm to 7mm precision coaxial adapters are designed for use with precision test instrumentation and test components.

As an added design feature, the 3.5mm connector is directly compatible with SMA (3mm) connector interfaces. This allows the adapter to be used with both 3mm and 3.5mm test applications. The 3.5mm design uses an air dielectric which improves measurement repeatability and allows for a longer connector life.

TYPICAL PERFORMANCE:
PART NUMBERS 3581-2700-00 and 3582-2700-00

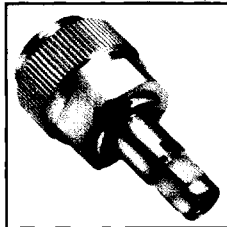


7mm to 3.5mm Jack

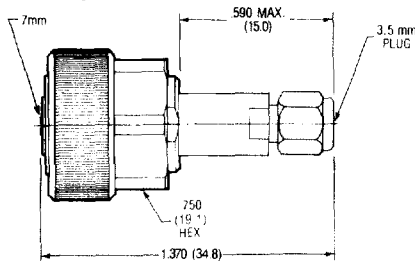


DC - 18.0 GHz	
Max. VSWR 1.024 + .003fGHz	
Part Number	3582-2700-00
Full Fluted Connector	
Part Number	7084-2700-00

Finish: 7mm: Electropolished stainless steel.
3.5mm: Passivated stainless steel



7mm to 3.5mm Plug

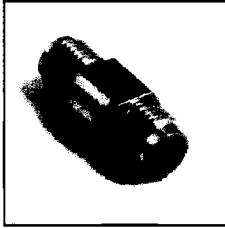


DC - 18.0 GHz	
Max. VSWR 1.024 + .003fGHz	
Part Number	3581-2700-00
Full Fluted Connector	
Part Number	7085-2700-00

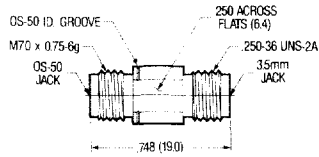
Finish: 7mm: Electropolished stainless steel.
3.5mm: Passivated stainless steel

Precision Adapters

OS-50(2.4mm) to 3.5mm

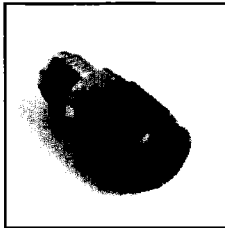


OS-50 Jack to 3.5mm Jack

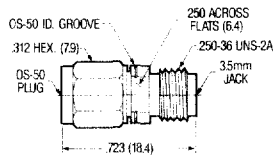


Part Number	8580-2352-02	
Frequency	DC - 18.0 GHz	18 - 26 GHz
Return Loss	26dB	24dB

Finish: Passivated stainless steel.

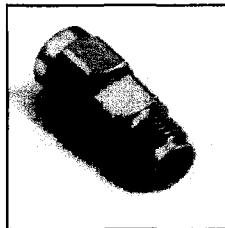


OS-50 Plug to 3.5mm Jack

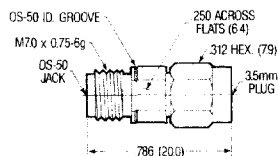


Part Number	8582-2352-02	
Frequency	DC - 18.0 GHz	18 - 26 GHz
Return Loss	26dB	24dB

Finish: Passivated stainless steel.



OS-50 Jack to 3.5mm Plug

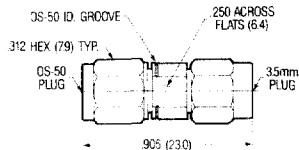


Part Number	8582-2351-02	
Frequency	DC - 18.0 GHz	18 - 26 GHz
Return Loss	26dB	24dB

Finish: Passivated stainless steel.



OS-50 Plug to 3.5mm Plug



Part Number	8581-2351-02	
Frequency	DC - 18.0 GHz	18 - 26 GHz
Return Loss	26dB	24dB

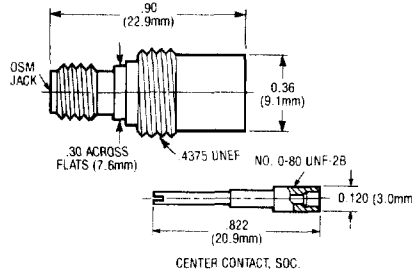
Finish: Passivated stainless steel.

Precision Adapters

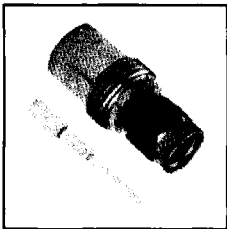
7mm Adapter Repair Kits



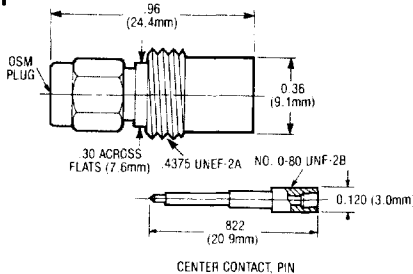
OSM Jack to 7mm



OSM Jack Assembly	
Part Number	7099-6202-02



OSM Plug to 7mm



OSM Plug Assembly	
Part Number	7099-6201-02

M/A-COM now offers a complete line of 7mm Precision Adapter Repair Kits. The table below lists additional standard part numbers and descriptions. If you require a repair kit that is not listed, contact the factory for part number and availability.

Description	Part Number	
	Female (Jack)	Male (Plug)
SMA/OSM® to 7mm	7099-6202-02	7099-6201-02
Long Neck SMA to 7mm	7099-6204-02	7099-6203-02
3.5mm to 7mm	7099-6352-02	7099-6351-02
Type N to 7mm	7099-6302-02	7099-6301-02
TNC to 7mm	7099-6312-02	7099-6311-02
Mode Free TNC to 7mm	7099-6372-02	7099-6371-02
SSMA/OSSM® to 7mm	7099-6102-02	7099-6101-02
OSP™ Blind Mate to 7mm	7099-6452-02	7099-6451-02
OSSP Blind Mate to 7mm	7099-6472-02	7099-6471-02