

The specifications below are general specifications for all MCX connectors. Specific specifications for VSWR, insertion loss, and RF leakage for each connector is available from

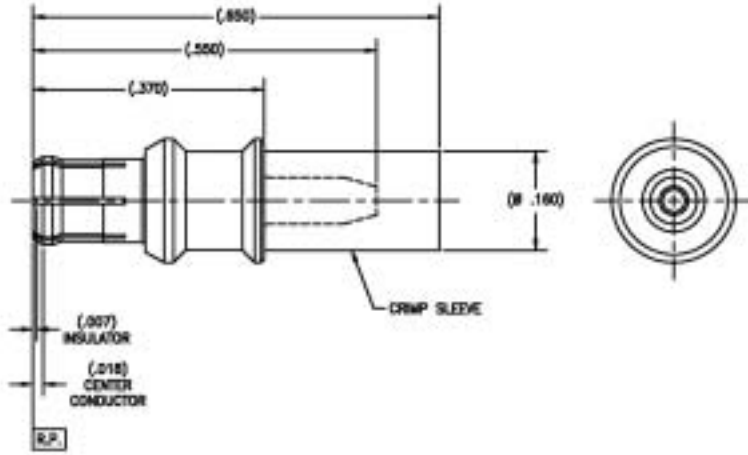
the factory upon request. Specifications in the following table are recommended for any procurement documents or drawings.

Requirement	Specifications
General	
Material	Brass Alloy per ASTM B-16 Beryllium copper per ASTM B-196 or B-197 PTFE Fluorocarbon per ASTM D-1457
Finish	Center contacts shall be gold plated to a minimum thickness of .00005-inch in accordance with ASTM B-488, Type 2, Code C over nickel underplate. All other metal parts shall be finished so as to provide a connector which meets the corrosion requirements of this table.
Design	The design shall be such that the outline dimensions in this catalog are met. In addition, the assembled connector shall meet the interface dimensions. Dimensions are reference only unless stated.
Electrical	
Impedance	50 Ohms Nominal
Insulation Resistance	The insulation resistance shall not be less than 10,000 megaohms.
Dielectric Withstanding Voltage	Refer to applicable military slash sheet or consult factory.
Contact Resistance	Refer to applicable military slash sheet or consult factory.
Voltage Standing Wave Ratio (VSWR)	Refer to applicable military slash sheet or consult factory.
RF Leakage	Refer to applicable military slash sheet or consult factory.
Insertion Loss	Refer to applicable military slash sheet or consult factory.
Mechanical	
Force to Engage and Disengage	Engage: 5.6 lbs. Max Disengage: 4.5 lbs. Max.
Center Contact Captivation	Consult factory
Cable Retention Force	Refer to applicable military slash sheet or consult factory.
Connector Durability	500 cycles. The connector shall meet the mating characteristic requirements.
Environmental	
Temperature Range	- 65°C to + 165°C
Vibration	Specification MIL-STD-202, Method 204, Test Condition D.
Thermal Shock	Specification MIL-STD-202, Method 107, Test Condition C.
Corrosion (Salt Spray)	Specification MIL-STD-202, Method 101, Test Condition B.
Moisture Resistance	Specification MIL-STD-202, Method 106, No measurement at high humidity. Insulation resistance shall be 200 megaohms min. within 5 minutes after removal from humidity.

Complete specifications on every connector in this catalog are available from the factory.

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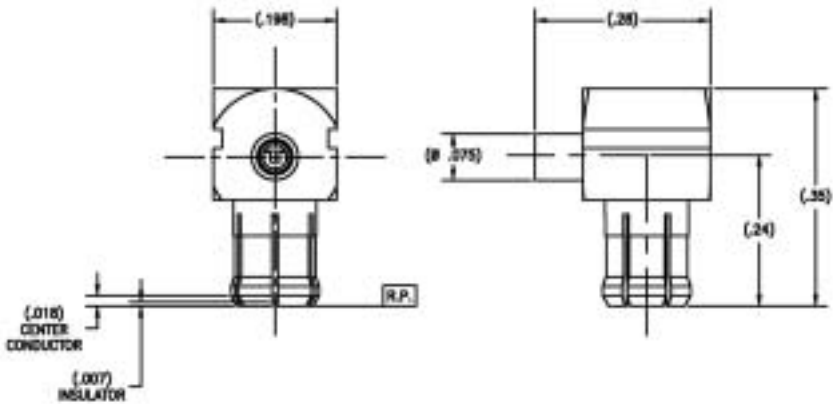
MCX straight plug, M17/93 -
RG 178, crimp - solder



Consult factory for Assembly Instructions

3-M797-890-10

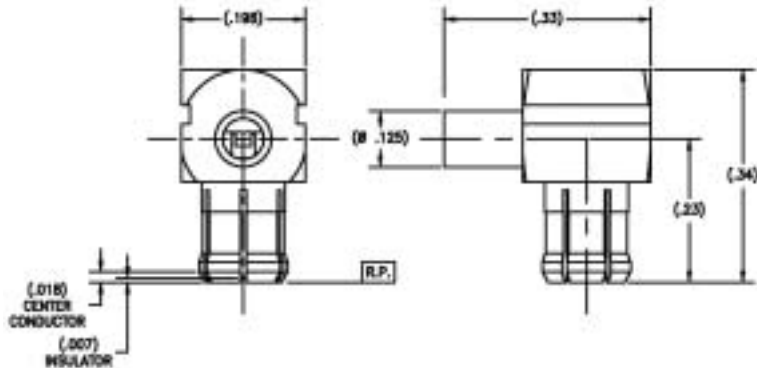
MCX right angle, .047 Semi-
Rigid, solder - solder



Consult factory for Assembly Instructions

3-M797-790-10

MCX right angle, .086
Semi-Rigid, solder - solder



Consult factory for Assembly Instructions