

INTERFACE DESIGN STANDARD		<i>The PHOENIX Company of Chicago, Inc.</i> 22 GREAT HILL RD., NAUGATUCK, CT 06770 WWW.PHOENIXOFCHICAGO.COM PHONE: (800) 323-9562	REV.	DESCRIPTION	DATE	APPR.
IDS-15			F	PER ECN 13033	07/23/18	JEM
SHEET 1 OF 1	DATE: 02/28/94		E	PER ECN 12845	04/12/18	JEM
DRAWN: JEM	APPROVED: HN		D	PER ECN 12699	11/08/17	JEM

WARNING - THIS DOCUMENT CONTAINS TECHNICAL DATA WHOSE EXPORT IS RESTRICTED BY THE ARMS EXPORT CONTROL ACT (TITLE 22, U.S.C., SEC 2751, ET. SEQ.) OR THE EXPORT ADMINISTRATION ACT OF 1979, AS AMENDED, TITLE 50, U.S.C., APP 2401 ET SEQ. VIOLATIONS OF THESE EXPORT LAWS ARE SUBJECT TO SEVERE CRIMINAL PENALTIES. DISSEMINATE IN ACCORDANCE WITH PROVISIONS OF DOD DIRECTIVE 5230.25.

Description: 15 Series, Standard PDM, 33 Ohms

MATERIALS

BODIES

Plug: Brass Per ASTM-B-16
 Receptacle: Beryllium Copper Per ASTM-B-196

CLIP RING

Beryllium Copper Per ASTM-B-194

CONTACTS

Male Contact: Brass Per ASTM-B-16
 Female Contacts: Beryllium Copper Per ASTM-B-196

INSULATORS

Teflon (PTFE) Per ASTM-D-1457

PLATING

Gold Per MIL-DTL-45204
 Nickel Per QQ-N-290
 Copper Per MIL-C-14550

FINISH (Add Letter To End Of Part Number)

MATING CHARACTERISTICS

OPTIONS

"A" = .000050 Min. Gold Over Nickel
 "B" = .000030 Min. Gold Over Nickel
 "C" = .000050 Min. Gold Over Copper
 "D" = .000030 Min. Gold Over Copper

Bodies: 48 oz. (3 lbs.) Max. Insertion
 2 oz. (0.125 lbs.) Min. Withdrawal
 Contacts: 16 oz. (1 lbs.) Max. Insertion
 .5 oz. (0.031 Lbs.) Min. Withdrawal
 Housing Retention: 192 oz. (12 lbs.) Min.

ELECTRICAL

Frequency Range: DC To 1 GHz	Contact Resistance: Center Contact 5 Milliohms
Voltage Rating Straight: 1000 VRMS	Contact Resistance: Outer Contact 3 Milliohms
Voltage Rating Angled: 800 VRMS.	VSWR:
Insulation Resistance: 5000 Megohms Min.	DWV: Straight - 1500 V Avg. Flashover Angled 90° - 800 V Avg. Flashover
Insertion Loss: .5 dB Max	Max. Power: 500 Watts
Current Rating: 5 AMPS	
Impedance: 33 Ohm	

ENVIRONMENTAL

Operating Temperature: -55°C to+ 165°C	Durability: 500 Cycles
Insulation Resistance: N/A	Moisture Resistance: N/A
Vibration: MIL-STD-1344, Method 2005, Test Condition 4	Corrosion: N/A
Shock: MIL-STD-1344, Method 2005, Test Condition 4	Temperature Cycling: N/A
Thermal Shock: N/A	High Temperature Test: N/A
	Salt Spray: MIL-STD-1344, Method 1001, Condition B