

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-15J			E	PER ECN 13033	07/23/18	JEM
SHEET 1 OF 1	DATE: 08/24/06		D	PER ECN 13001	06/13/18	JEM
DRAWN: EK	APPROVED: JEM		C	PER ECN 12845	04/13/18	JEM

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Description: 15 Series, Standard PDM, 33 Ohms, Non-Magnetic

MATERIALS

BODIES

Plug: Non-Magnetic Brass
 Receptacle: Beryllium Copper Per ASTM-B-196

CLIP RING

Beryllium Copper Per ASTM-B-194

CONTACTS

Male Contact: Non-Magnetic Brass Or *
 Female Contacts: Beryllium Copper Per ASTM-B-196

INSULATORS

Teflon (PTFE) Per ASTM-D-1457

Residual Magnetism < 1.00000 mu

PLATING

Gold Per MIL-DTL-45204
 Copper Per MIL-C-14550

* Beryllium Copper Per ASTM-B-196

FINISH (Add Letter To End Of Part Number)

OPTIONS

"J" = .000030 Min. Gold Over Copper

Other Metal Parts: Gold Plated To Meet The Environmental Requirements

MATING CHARACTERISTICS

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
 Voltage Rating Straight: 1000 VRMS
 Voltage Rating Angled: 800 VRMS.
 Insulation Resistance: 5000 Megohms Min.
 Insertion Loss: .5 dB Max
 Current Rating: 5 AMPS
 Impedance: 33 Ohm

Contact Resistance: Center Contact 5 Milliohms
 Contact Resistance: Outer Contact 3 Milliohms
 VSWR:
 DWV: Straight - 1500 V Avg. Flashover
 Angled 90° - 800 V Avg. Flashover
 Max. Power: 500 Watts

ENVIRONMENTAL

Operating Temperature: -65°C to+ 165°C
 Insulation Resistance: N/A
 Vibration: MIL-STD-1344, Method 2005, Test Condition 4
 Shock: MIL-STD-1344, Method 2005, Test Condition 4
 Thermal Shock: N/A

Durability: 500 Cycles
 Moisture Resistance: N/A
 Corrosion: N/A
 Temperature Cycling: N/A
 High Temperature Test: N/A
 Salt Spray: MIL-STD-1344, Method 1001, Condition B