

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-24J			D	PER ECN 13033	07/23/18	JEM
SHEET 1 OF 1	DATE: 08/24/06		C	PER ECN 13001	06/21/18	JEM
DRAWN: EK	APPROVED: JEM		B	PER ECN 12826	04/09/18	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: 24J Series, 50 Ohms PDM, Non-Magnetic

MATERIALS

BODIES

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

CLIP RING

Beryllium Copper Per ASTM-B-196

CONTACTS

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

INSULATORS

Teflon (PTFE) Per ASTM-D-1710

Residual Magnetism < 1.0000mu

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

.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. (0.03125 lbs) Min. Withdrawal

 Housing Retention: 192 oz. (12 lbs.) Min.

ELECTRICAL

Frequency Range: DC To 1.5 GHz	Contact Resistance: Center Contact 6 Milliohms
Voltage Rating Straight: 1000 VRMS	Contact Resistance: Female Bodies 3 Milliohms
Voltage Rating Angled: 800 VRMS	VSWR:
Insulation Resistance: 5000 Megohms Min.	1.35 Max. @ 1.5 GHz
Insertion Loss: .2 dB Max.	
Current Rating: 2.5 AMPS	
Impedance: 50 Ohms	

ENVIRONMENTAL

Operating Temperature: -65°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 2004, Test Condition E	Temperature Cycling: N/A
Thermal Shock: N/A	High Temperature Test: N/A
	Salt Spray: MIL-STD-1344, Method 1001, Condition B