

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-33J			D	PER ECN 13033	07/23/18	JEM
SHEET 1 OF 1	DATE: 11/14/07		C	PER ECN 13001	06/21/18	JEM
DRAWN: YT	APPROVED: JEM		B	PER ECN 12824	04/03/18	JEM

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Description: 33 Series, MMCX, Per BS EN 122340 Non-Magnetic

MATERIALS

BODIES

Plug: Non-Magnetic Brass
 Receptacle: Non-Magnetic Brass

Clip Ring:

Beryllium Copper Per ASTM-B-196

CONTACTS

Male Contact: Beryllium Copper Per ASTM-B-196 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

* Non-Magnetic Brass

FINISH (Add Letter To End Of Part Number)

MATING CHARACTERISTICS

OPTIONS

Other Metal Parts:
 Gold Plated To Meet The Environmental Requirements
 Bodies:.000020 Min. Gold Over Copper
 Contacts.000030 Min. Gold Over Copper

Engagement: 56 oz. (3.5 lbs.) Max.

Dengagement: 20.8 To 54.4 Oz. (1.3 To 3.4 Lbs.)
 Conforms To BS EN 122340 STD

ELECTRICAL

Frequency Range: DC To 6 GHz	Contact Resistance: Center Contact: 5.0 Milliohms
Voltage Rating Straight: 170 Volts RMS	Contact Resistance: Outer Contact: 3.0 Milliohms
Voltage Rating Angled: N/A	VSWR:
Insulation Resistance: 5000 Megohms Min.	1.20 TYP For Straight Connectors
Insertion Loss: 0.2 dB Max./1 GHz	1.30 TYP For Right Angle Connectors.
Current Rating: N/A	DWV: 500 Volts
Impedance: 50 OHMS	RF Leakage: 55 dB Min. @ 1 GHz

ENVIRONMENTAL

Operating Temperature: -65°C TO +155°C	Durability: 500 Cycles
Insulation Resistance: N/A	Moisture Resistance: N/A
Vibration: MIL-STD-202, Method 204, Test Condition D	Corrosion: MIL-STD-202, Method 101, Test Condition B
Shock: MIL-STD-202, Method 213, Test Condition A	Temperature Cycling: N/A
Thermal Shock: MIL-STD-202, Method 107, Test Condition C	High Temperature Test: N/A
	Salt Spray: N/A