P/N	APPLICABLE NOTE(S)	Ø A	FIGURE(S)
−1	1,2,3	(.120)	1
−2	1,2,3	(.125)	1
−3	1,2,3	(.125)	2

REVISIONS

ZONE	REV	DESCRIPTION	DATE	BY
–	A	ECO 11744	05/31/00	IMG
–	B	ECO 17999 (ADD −2 & −3)	11.15.05	DKN
	C	ECO 18897	12.12.05	YP

DRAWING NO. P775 REV. C

MATERIAL:

BODY & CENTER CONDUCTOR:
BeCu ALLOY PER ASTM B−196
INSULATOR:
TORLON PER ASTM D−5204

ELECTRICAL:

Impedance: 50 Ohms Nom.
Freq. Range: DC TO 18GHz
VSWR: 1.05: +.003 fGHz
Insertion Loss: $.03\sqrt{f(GHZ)}$
Working Voltage: 335 Vrms @ Sea Level
Dielectric Withstand Voltage: 500 V rms
RF HiPot Voltage: 250 Vrms Min @ 5MHz
Corona Level: 65 Vrms @ 70,000 ft
Insulation Resistance: 5000 Mohms
Contact Resistance:
Center Conductor: 6.0 Milliohms max
Outer Conductor: 2.0 Milliohms max
RF Leakage: −(90− f GHz)

MECHANICAL:

Interface Dimensions:
MIL−STD−348
Connector Durability:
500 Cycles Limited detent
5000 Cycles S/B & Catcher's mitt
Force to Engage:
10.0 lbs max for Limited detent
.5 lbs max for S/B & Catcher's mitt
Force to Disengage:
2.0 lbs min for Limited detent
0.5 lbs min for S/B & Catcher's mitt

ENVIRONMETAL:

Temp. Range: −65°C to +165°C
Thermal Shock:
MIL−STD−202, Method 107, Test Cond. B
Moisture Resistance:
MIL−STD−202, Method 106. Insulation resistance at least 200 MegaOhms within 5 minutes after removal from humidity
Corrosion:
MIL−STD−202, Method 101, Test Cond. B
Vibration:
MIL−STD−202, Method 204, Test Cond. D
Shock:
MIL−STD−202, Method 213, Test Cond. I

FINISH:

BODY & CENTER CONDUCTOR:
GOLD PLATE PER ASTM B−488 OVER NICKEL PLATE PER AMS−QQ−N−290

APPLICABLE TENSOLITE DOCUMENTS

WORK STD	PROD INST	ASSY INST
NA	NA	NA

NOTICE
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TOLERANCES AND NOTES
EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES
LINEAR .XX ±.010 .XXX ±.005 ANGULAR ± 1/2°
FRACTION ± 1/32
1. MACHINE FINISH 63 RMS
2. BREAK ALL SHARP EDGES .003 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER H−28.
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

–	–	–	–
MATERIAL	SIZE	DESCRIPTION	PROCUREMENT

NEXT ASSY

APPROVAL	INITIALS	DATE
DRAWN BY	DKN	08.10.99
CHECKED	PM	12.12.05
QUALITY		
ENGINEERING	PM	12.12.05

Tensolite
HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS
Long Beach, California 90815

TITLE SMP MALE PCB SURFACE MOUNT ROUND FLANGE TO NAIL−HEADED TERM.

SCALE NONE | SUB-DIRECTORY\FILENAME OLPXX\OLP775 | SHEET 1 OF 2

SIZE C | CAGE CODE 30990 | DRAWING NO. P775 | REV. C

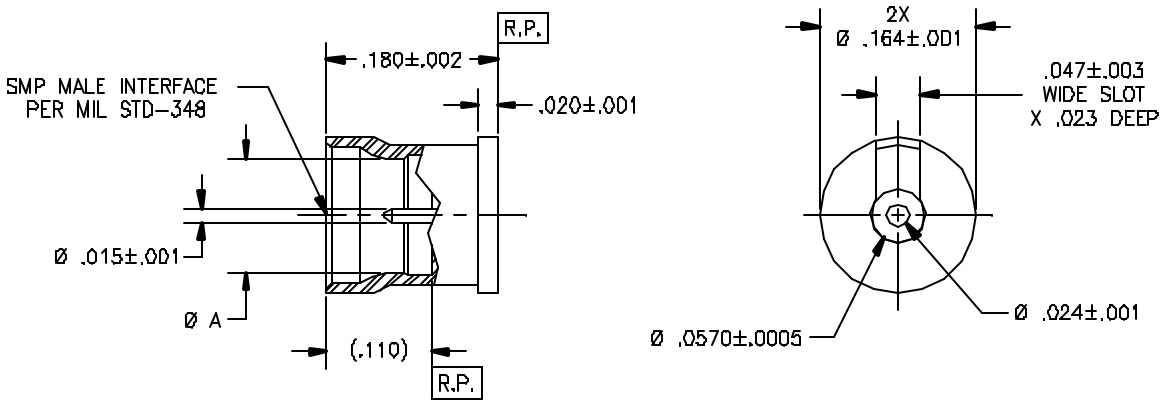

FIGURE 1

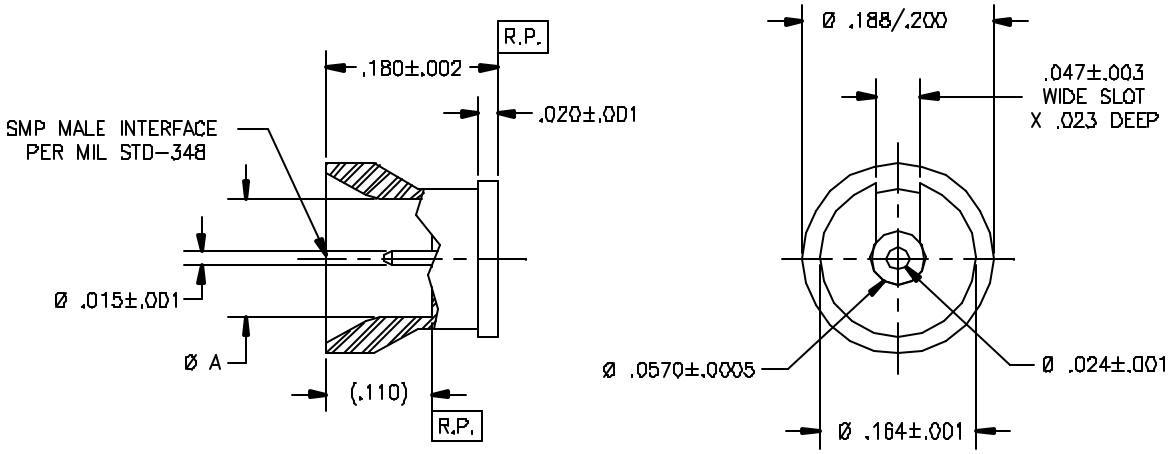

FIGURE 2

SCALE	SUB-DRAWER/FILENAME	SHEET 2 OF 2
10:1	_DLP\	
SIZE C	CAGE CODE 30990	DRAWING NO. P775	REV. C