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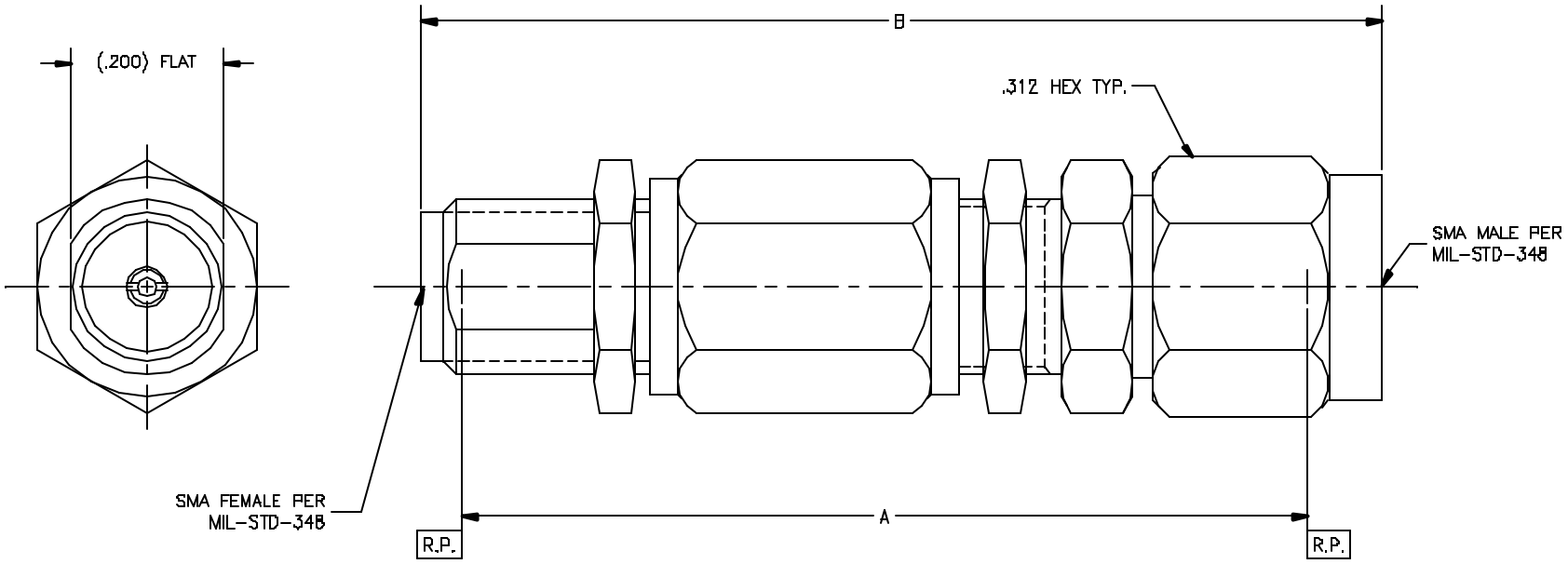
P/N	APPLICABLE NOTE(S)	A	B
CCSF	1,2,3	1.103/1.305	NR
-1CCSF	1,2,3	NR	2.215/2.815

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
–	A	ECO 13704	09.19.01	ATV
–	B	ECO 21452	07.21.08	DKN



MATERIAL(S):

Body, Locknut & Coupling Nut:
303 sst per ASTM A-582.
Center Conductor:
BeCu alloy per ASTM B-196.
Dielectric:
PTFE per ASTM D-1710.
Gasket:
Silicone per A-A-59588.

ELECTRICAL(S):

Impedance: 50 Ohms nominal.
Frequency Range: DC to 26 GHz.
VSWR: 1.30:1 Max to 26 GHz.
Insertion Loss: .80 dB max
R.F. Leakage: -80dB max

MECHANICAL(S):

Mating Characteristics:
Interface per Mil-Std-348.

ENVIRONMENTAL(S):

Temperature 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 MegOhms within 5 minutes after removal from humidity.
Corrosion:
Mil-Std-202, Method 101, Test Cond. B.

FINISH(ES):

Body, Locknut & Coupling Nut:
Passivate per ASTM A-967.
Center Conductor:
Gold plate per ASTM B-488, over nickel underplate per AMS-QQ-N-290.

APPLICABLE TENSOLITE DOCUMENTS

WORK STD	PROD INST	ASSY INST

NOTICE

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TOLERANCES AND NOTES
EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.01 .XXX ANGULAR ± 1/2°
FRACTION ± 1/32
1. MACHINE FINISH: 63 RMS
2. BREAK ALL SHARP EDGES .005 MAX.
3. MACHINED SURFACE FINISH TO RESPECTIVE AND WITHIN .005 INCHES PER INCH.
4. MACHINED FILLETS .015 MAX.
5. MACHINED DIAMETERS CONCENTRIC WITHIN .005 T.I.R.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER H-28
9. REMOVE PLATING EDGES BY TAPERING.
10. REMOVE ALL BURRS.

SEE NOTES		–	SEE NOTES –
MATERIAL		SIZE	FINISH/TREATMENT
APPROVAL INITIALS	DATE		
DRAWN BY	ATV	03.22.99	
CHECKED BY			
TEST ENGR			
QUALITY			
DESIGN ENGR	HT	08.22.08	
MFG ENGR			

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

TITLE: SMA FEMALE TO MALE PHASE ADJUSTABLE ADAPTER

SCALE: NONE | SIZE: QL | SHEET 1 OF 1

SIZE C | ENGR CODE 30990 | DRAWING NO. 5998 | REV. B

ENG-DWG REV. B