

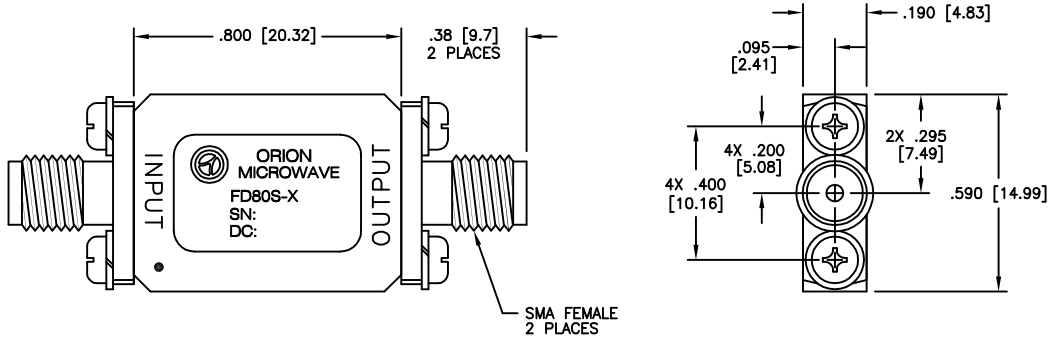
ORION MICROWAVE  
PROPRIETARY INFORMATION

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REVISIONS

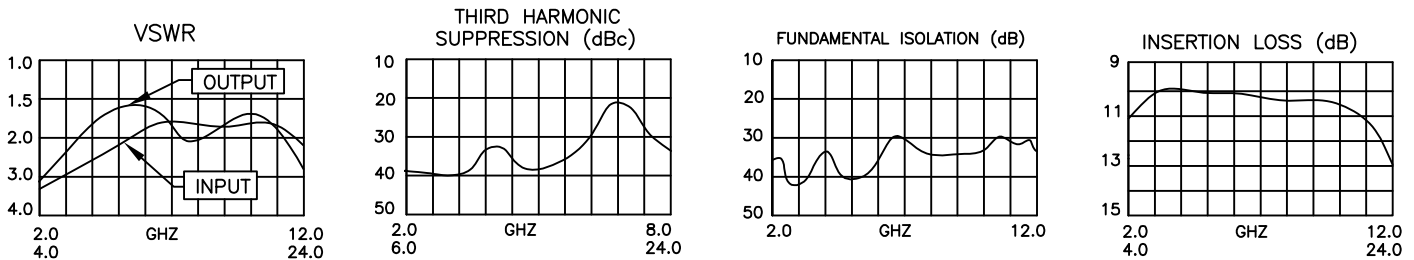
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	12/20/06	L.T.



PARAMETER	CONDITIONS		SPECIFICATIONS		
	IN (GHZ)	OUT (GHZ)	MIN.	TYPICAL	MAX.
INSERTION LOSS	2-9 10-12	4-18 10-24		10.5 dB 11.5 dB	13.0 dB 15.3 dB
FUNDAMENTAL ISOLATION	2-12	4-24	25 dB	31 dB	
THIRD HARMONIC SUPPRESSION (1):	2-12	4-24	20 dB	25 dB	
INPUT VSWR:	2-5 5-12	4-10 10-24		2.5:1 1.8:1	
INPUT POWER:	2-12	4-24		+11dBm +17dBm	FD80S-B FD80S-D

NOTES:

- REFERENCE TO THE FUNDAMENTAL INPUT.



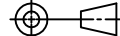
UNLESS OTHERWISE SPECIFIED

- \* INTERPRET DRAWING IAW ASME Y14.100-2000
- \* DIMENSIONING & TOLERANCING IAW ASME Y14.5-1994
- \* PARENTHEICAL INFORMATION FOR REFERENCE ONLY
- \* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- \* DIMENSIONS ARE IN INCHES [MILLIMETERS]:
- \* TOLERANCES ARE: ANGLES ±1.0°  
2 PLACE DECIMAL ±.01 [±.25]  
3 PLACE DECIMAL ±.005 [±.13]

- \* SURFACE FINISH 63
- \* REMOVE ALL BURRS AND SHARP EDGES .010 [.25] RAD MAX.
- \* CONCENTRICITY MACHINED DIA: .002 [.05] FIM
- \* MACHINED TOOL MISMATCH .002 [.05] MAX.

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION



APPROVALS	DATE
DESIGNER <i>A. McTran</i>	12/15/06
ENGINEER <i>A. McTran</i>	12/15/06
MFG. ENGR.	
Q.A. <i>L. TRAN</i>	12/17/06
PROG. MGMT/MKT <i>KT.N</i>	12/18/06



SPECS, FD80S-B, -D  
FREQUENCY DOUBLER

SIZE	CAGE NO.	DWG NO.	REV.
A	51RH9	150-0076-001	A

SCALE: 1/1 SHEET 1 OF 1