AMT

DATA SHEET - 20270

SPIRAL ANTENNA, CAVITY BACKED
AMT P/N: 20270

FREQUENCY - GHz	2.0 - 18.0 GHz	
POLARIZATION	LHC	
GAIN - dBiL	-5.5 to - 1	
BEAMWIDTH - DEG	80	3-dB, NOMINAL
AXIAL RATIO - dB	1.5	MAXIMUM
BEAM SQUINT - DEG	6.0	MAXIMUM
VSWR	2.0 : 1	MAXIMUM
POWER - WATTS	5.0	CW
CONNECTOR	SMA	FEMALE
WEIGHT - GRAMS	200.0	MAXIMUM
ENVIRONMENT	FLIGHT	VENTED, WITH INTEGRAL RADOME

AMT MICROWAVE CORPORATION
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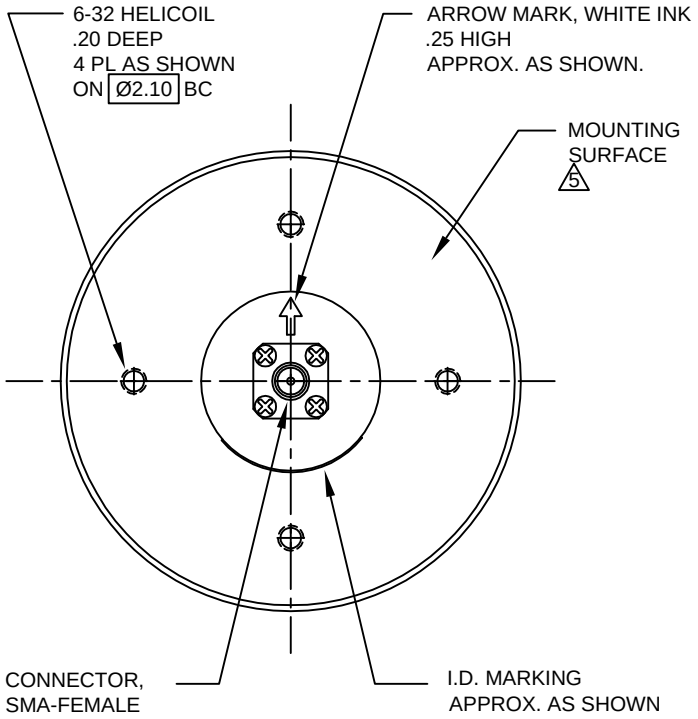
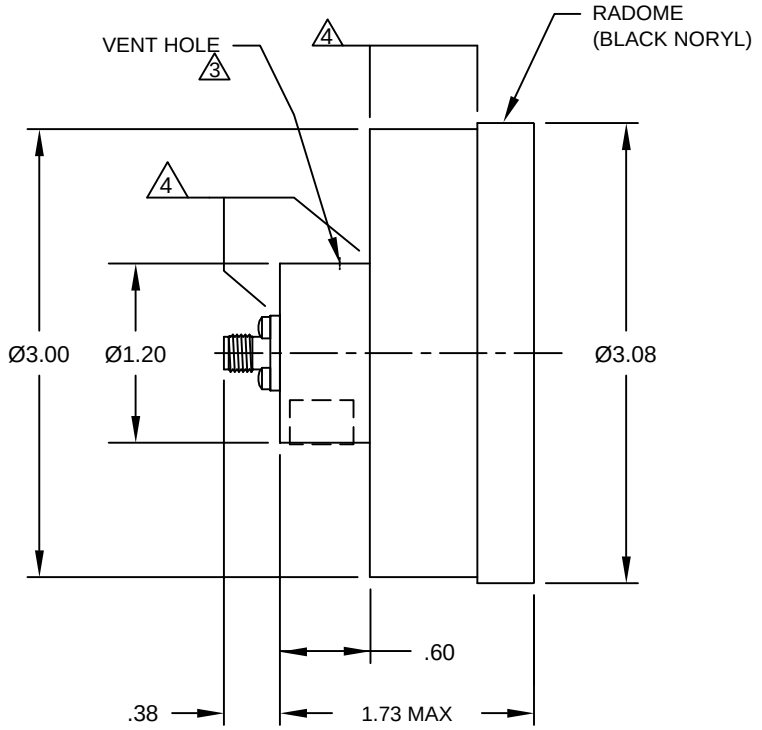
AMT PROPRIETARY INFORMATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	DESIGN RELEASE	23DEC99	SRH
B	ECN 15607	12NOV04	SRH





INTERFACE CONTROL DRAWING

1. ANTENNA POLARIZATION IS LHC.
2. VSWR=2:1 MAX.
3. ANTENNA IS VENTED TO OUTSIDE.
4. FINISH: PAINT PER MIL-C-22750, COLOR #27038.
5. FINISH: CHROMATE CONVERSION COATING
   PER MIL-C-5541, CL.1.
   (MOUNTING SURFACE FLATNESS OF 20 µ-IN.)

NOTES: UNLESS OTHERWISE SPECIFIED

-1	BSC	ITEM	IDENTIFYING No.	DESCRIPTION	REV	REFERENCE

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	QUANTITY
APPLICATION		

UNLESS OTHERWISE SPECIFIED	CONTRACT NO. -	AMT MICROWAVE CORPORATION CAMARILLO CA 93012
INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5	DFTSM E.H. DATE 22DEC99	TITLE: ANTENNA, SPIRAL 2-18 GHz
DIMENSIONS ARE IN INCHES TOLERANCES ON: DEC .XX ±.03 DEC .XXX ±.015 FRACTIONS ± 1/32 ANGLES ± 1°	APPD S.H. DATE 23DEC99	MACH. 125✓ PER ANSI B46.1 REMOVE BURRS AND SHARP EDGES .015 MAX. DIM'S TO BE MET BEFORE PLATING
DO NOT SCALE DRAWING		SIZE A · CAGE CODE 6AB36 · DWG NO 20270 · REV B
		SCALE NONE · WT 200 GRAMS MAX · SHEET 1 OF 1