

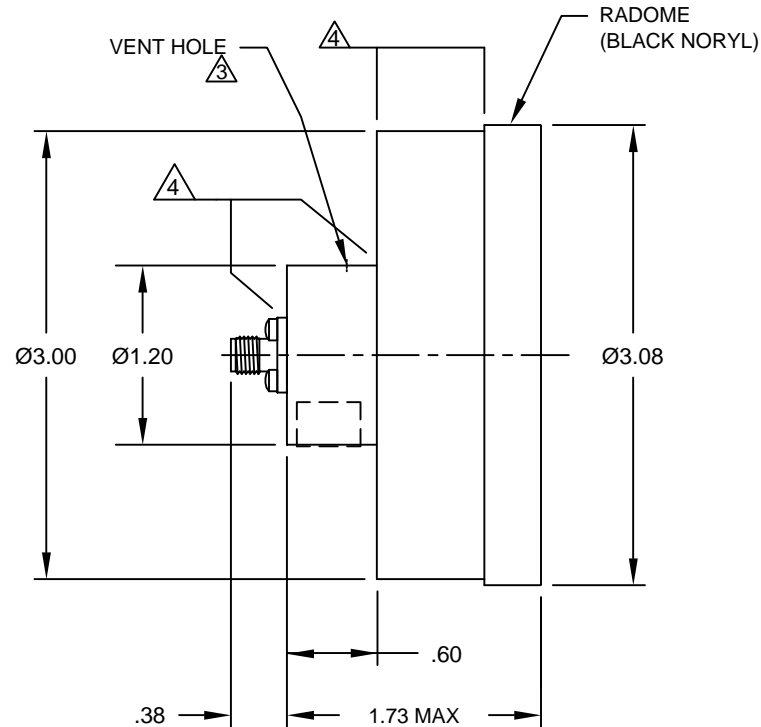
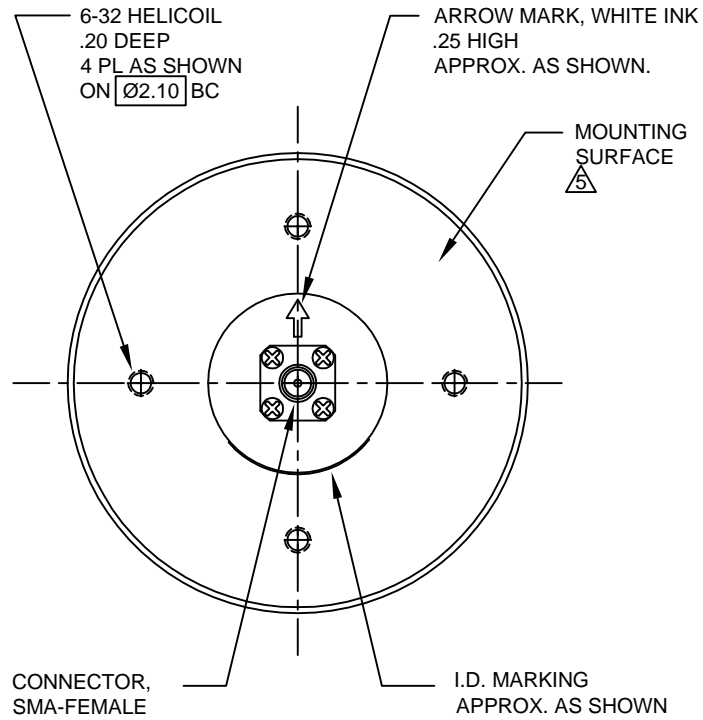
**SPIRAL ANTENNA, CAVITY BACKED
AMT P/N: 20270**

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



- 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

INTERFACE CONTROL DRAWING

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

NEXT ASSY	USED ON	QUANTITY