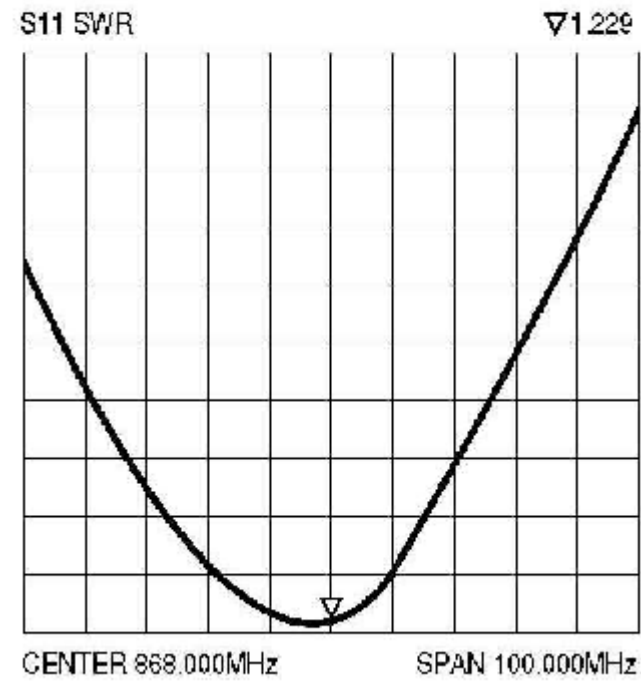
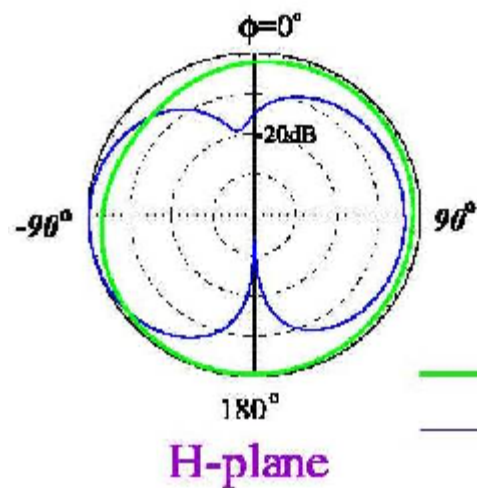


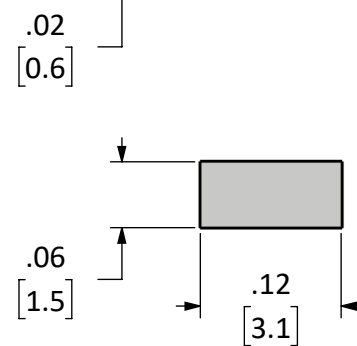
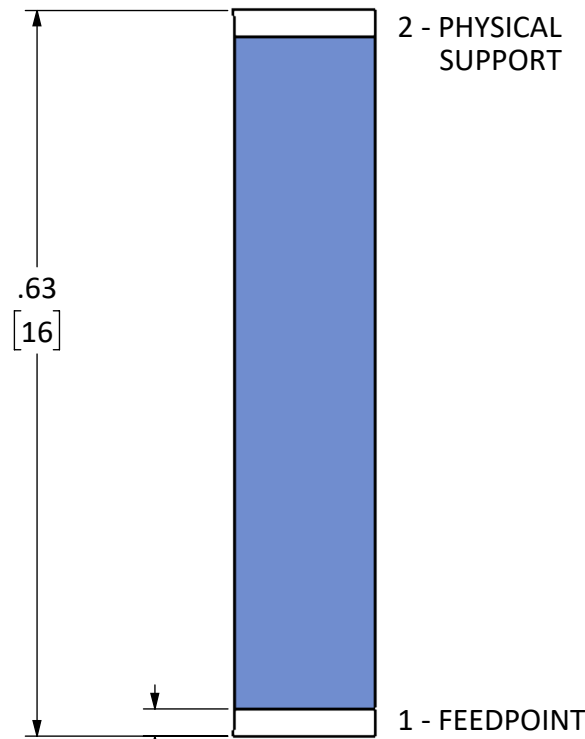
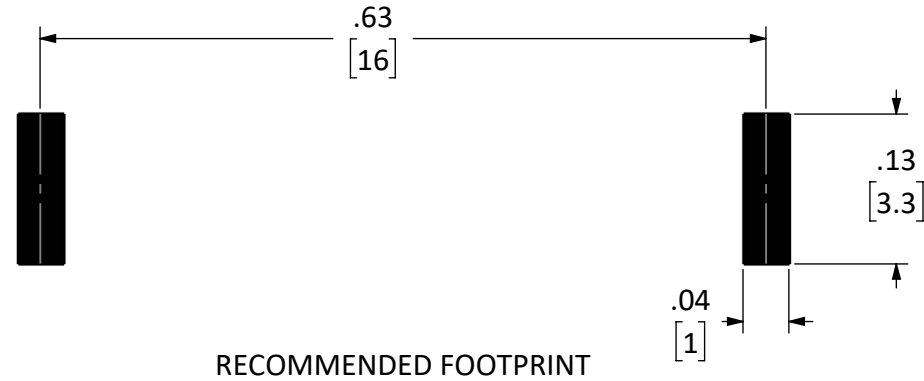
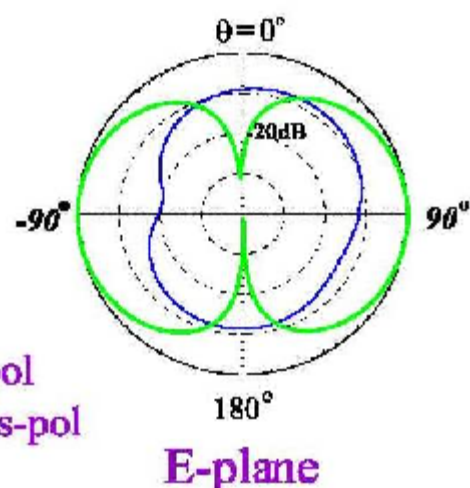
868MHz TYPICAL VSWR



868MHz H-Plane



868MHz E-Plane



REVISIONS			
REV	DESCRIPTION	DATE	APPV
1	INITIAL RELEASE	7/8/2008	SAH
B	RELEASE PER ECO-ANT-xxx-CHP-B	2/2/2010	SAH
C	UPDATED TO ADD 2ND SHEET AND PACKAGING INSTRUCTIONS (FLAG NOTE 8)	21-NOV-17	SAH

NOTES: (UNLESS OTHERWISE SPECIFIED)

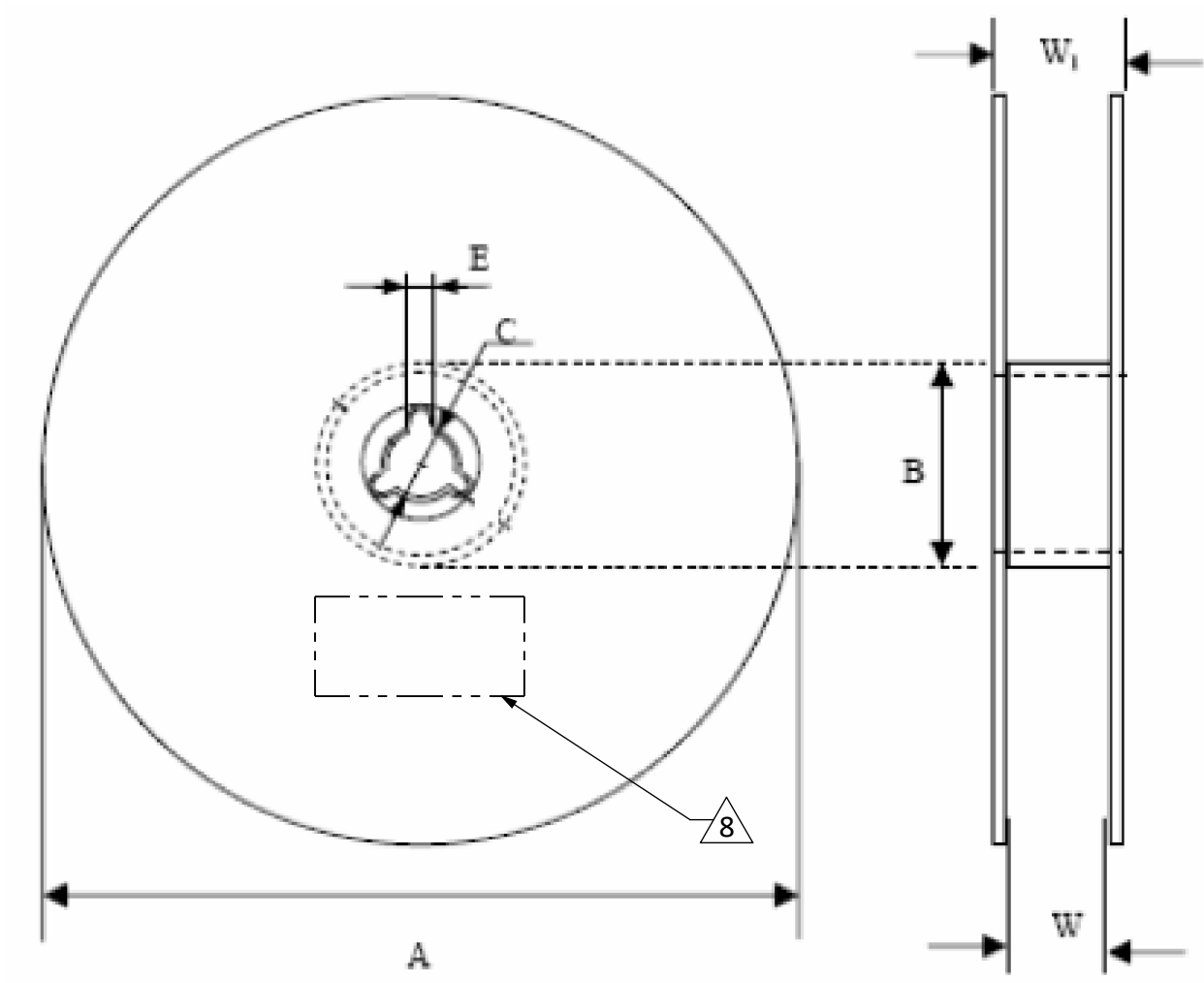
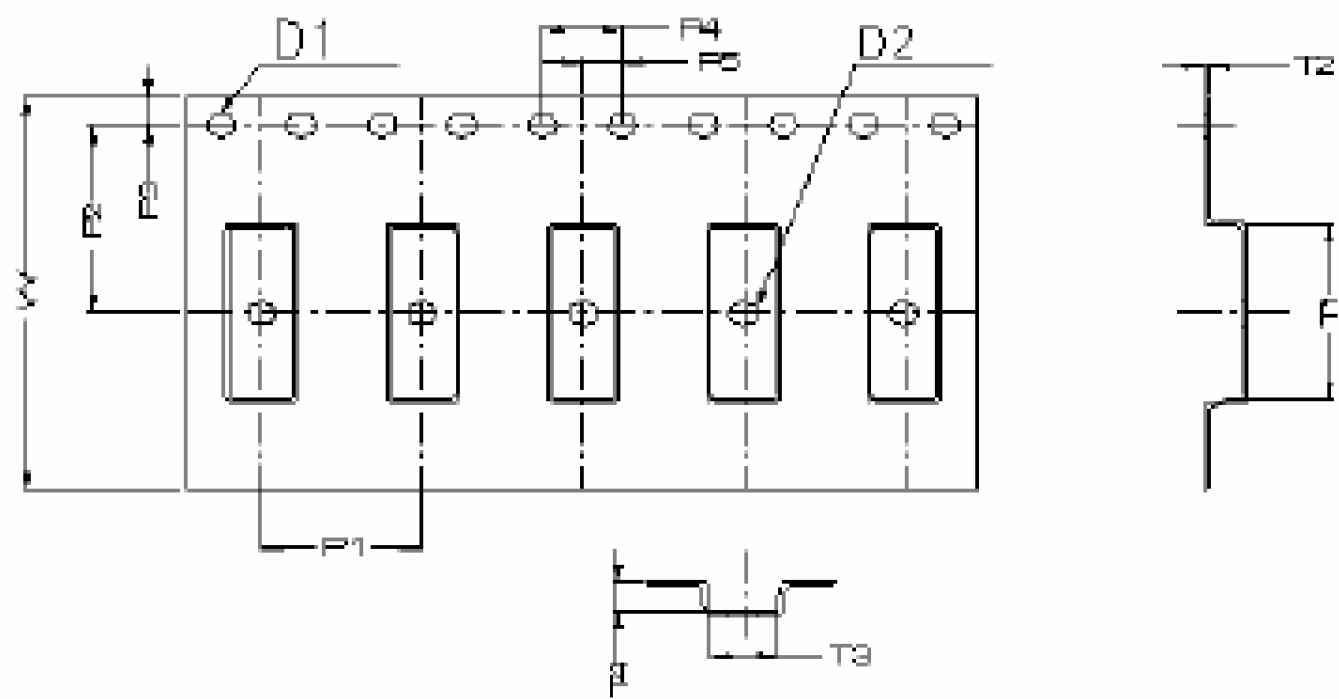
- ALL DIMENSIONS ARE IN INCHES [mm].
- DIMENSIONS APPLY AFTER FINISHING.
- SAFETY BREAK ALL SHARP CORNERS AND EDGES .02 MAXIMUM.
- PERFORMANCE REQUIREMENTS
 CENTER FREQUENCY: 868 MHz
 PEAK GAIN: +0.5 dBi MINIMUM
 BANDWIDTH: ≥ 10 MHz
 WAVELENGTH: 1/4-WAVE
 VSWR: < 1.5 AT CENTER
 IMPEDANCE: 50 OHMS
 CONNECTION: SURFACE MOUNT SOLDER PAD
 POWER HANDLING: ≥ 1 W CONTINUOUS
 OPERATING/STORAGE TEMPERATURE: -40 TO + 85 °C
- MATERIAL: LTCC.
- SCREEN PRINT GRAPHICS PER FILE *ANT-868-CHP.EPS*, COLOR: TBD (DEPENDING ON MATERIAL COLOR).
- FABRICATE TO BE COMPLIANT WITH EU RoHS DIRECTIVE, USE MATERIALS THAT DO NOT CONTAIN REACH SUBSTANCES OF VERY HIGH CONCERN >1000ppm, AND USE DRC CONFLICT-FREE SOURCED MATERIALS.

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STE 159 ORT LANE
 MERLIN, OR 97532
 connectivity

MATERIAL:	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.	PROJECTION:
WEIGHT:	.X ±2.0 .XX ±1.00 .XXX ±.500	
FINISH:	ANGLES: ±1° SURFACE: √	
DRAWN: S.HOGAN	DT: 21-NOV-08	
ENGR:	DT:	

TITLE: CHIP ANTENNA 868 MHz		REV 1
SIZE B	DWG. NO. C-ANT-868-CHP	
SCALE: 6:1	DO NOT SCALE DRAWING	SHEET 1 OF 2



Symbol	Dimension	Tolerance	Unit
W	24.00	±0.30	mm
P1	8.00	±0.10	mm
P2	11.50	±0.10	mm
P3	1.75	±0.10	mm
P4	4.00	±0.10	mm
P5	2.00	±0.10	mm
D1	1.50	±0.10	mm
D2	1.50	±0.10	mm
T1	10.6	±0.10	mm
T2	0.30	±0.05	mm
T3	3.30	±0.10	mm
T4	1.90	±0.10	mm

TAPE DIMENSIONS

Quantity Per Reel	Tape Width (mm)	A (mm)	C (mm)	B (mm)	E (mm)	W (mm)	W ₁ (mm)
3,000	24	330±1	13.0±0.5	100.0±0.5	2.2±0.5	24.0±0.5	28.9±0.2

REEL DIMENSIONS