NOTES:

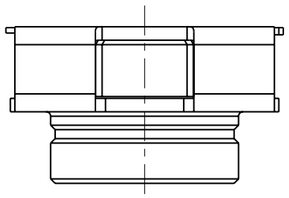
1. ELECTRICAL:
   - A: IMPEDENCE: 50Ω, NOMINAL
   - B: FREQUENCY RANGE: DC-11 GHz
   - C. VSWR: 1.2 MAX. @ DC-3 GHz, 1.3 MAX. @ 3-6 GHz, 1.5 Max. @ 6-11 GHz
   - D. INITIAL CONTACT RESISTANCE: 120 mΩ MAX (WITHOUT CONDUCTOR RESISTANCE)
   - E. DIELECTRIC WITHSTANDING VOLTAGE: 300V AC FOR 1 MINUTE.
   - F. INSULATION RESISTANCE: 500 MEGOHMS MIN.
   - G. INSERTION LOSS: 0.1dB MAX. @ DC-3 GHz
     0.2dB MAX. @ 3-6 GHz
     0.6dB MAX. @ 6-11 GHz
   - H. ISOLATION: 20dB MIN. @ DC-3 GHz
     15dB MIN. @ 3-6 GHz
     10dB MIN. @ 6-11 GHz
   - J. POWER: 2W MAX.

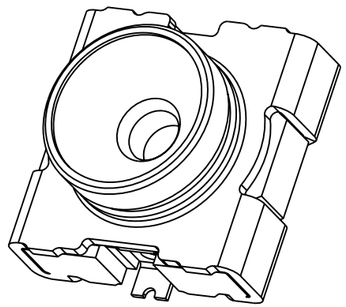
2. PHYSICAL:
   - A. TEMPERATURE RANGE: -40°C TO +85°C
   - B. DURABILITY: 500 CYCLES
   - C. SUITABLE FOR LEAD-FREE SOLDER REFLOW PROCESS PER AMPHENOL SPEC. 349-50712

3. MATERIALS AND FINISHES (PLATING THICKNESS IN MICRO-INCHES):
   SHELL - COPPER ALLOY, 50u" MIN. NICKEL OVERALL, SOLDERING AREA Au 1u" MIN.
   A-PIN(MOVING) -STAINLESS STEEL, 50u" MIN. NICKEL OVERALL, CONTACT AREA AU 5u" MIN, SOLDERING AREA AU 1u" MIN.
   B-PIN(FIXED) - STAINLESS STEEL, 50u" MIN. NICKEL OVERALL, CONTACT AREA AU 5u" MIN, SOLDERING AREA AU 1u" MIN.
   HOUSING - LCP, UL 94V-0, BLACK

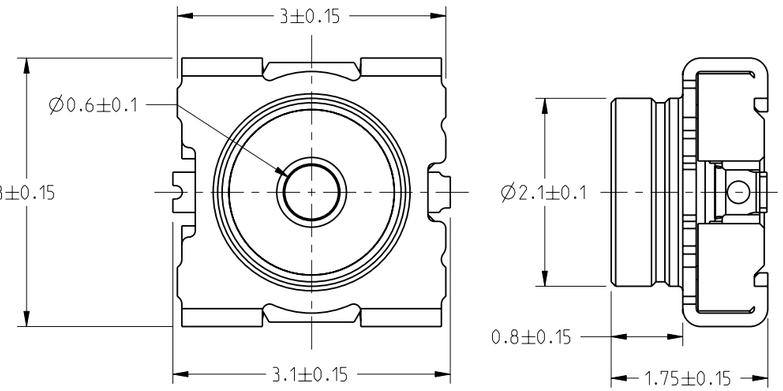
4. PACKAGING:
   - A. TAPE AND REEL PACKAGING.
   - B. QTY : 1000 PCS/REEL(Ø178 MM)
   - C. LEAVE 20 EMPTY POCKETS IN THE BEGINNING AND END OF EACH REEL.

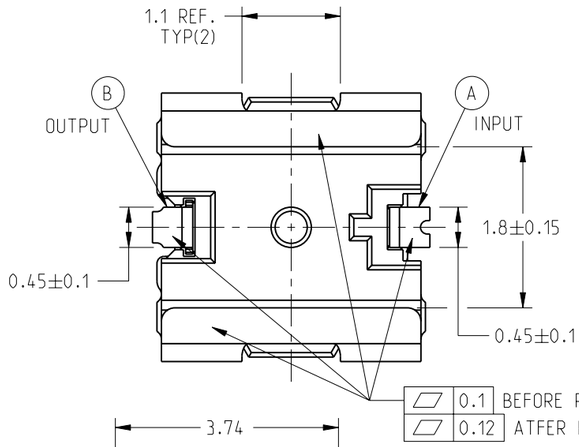
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	3/5/08	46979	NMV
B	UPDATED TEMPERATURE RANGE TO -40	4/2/09	47532	TRC
C	ADDED NOTE 4	1/21/13	49403	EW
D	CYCLES WAS 2000, 250 VAC WAS 100VAC, MATERIALS UPDATED, 0.80 WAS .75 ADDED NOTCH,CONTACT RESISTANCE WAS 50 mΩ INNER 40 mΩ OUTER , INSULATION RESISTANCE WAS 1000 MΩ MATERIAL WAS BeCu ADDED INPUT TERMINAL MATERIA	3/3/14	49763	EW
E	SYNC THE DRAWING WITH DANBURY\RD-DM14111201T1	24-Nov-14	50189	RC
F	UPDATED APPEARANCE; PACKAGING QUANTITY CHANG TO 1000 PCS/REEL; UPDATED NOTES AND DRAWING FORMAT	24-MAY-22	16277	SH

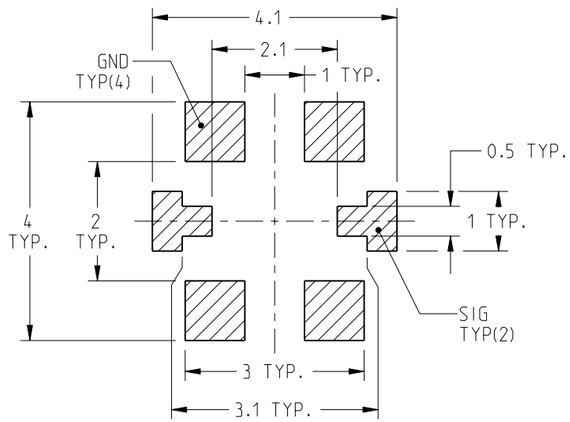




SCALE 15.000

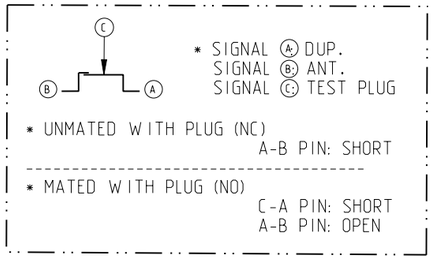


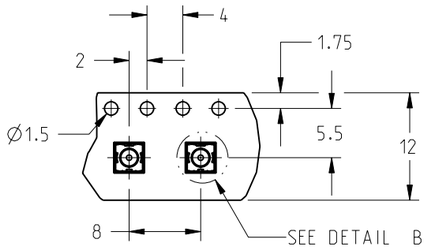




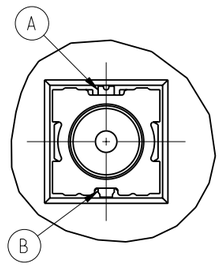
RECOMMENDED PCB LAYOUT
GENERAL TPLERANCE:±0.05

NOTE:
1. COPLANARITY: MAX. 0.1
2. OTHERWISE TOLERANCE: ±0.15
3. RF SWITCH CIRCUIT DIAGRAM:

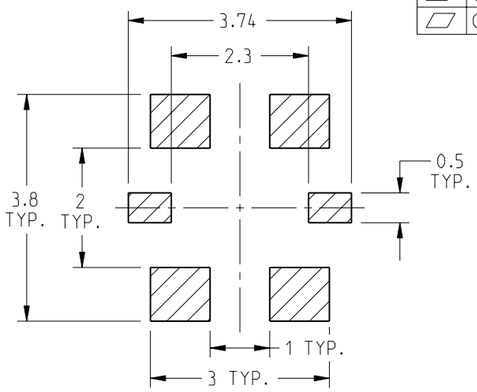




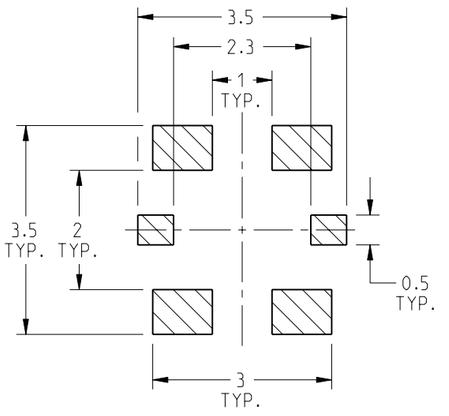
SCALE 1.500
EMBOSSED CARRIER TAPE DIMENSIONS



DETAIL B
SCALE 6.000



RECOMMENDED SOLDER MASK PATTERN
(MASK THICKNESS 0.10mm)



RECOMMENDED SOLDER MASK PATTERN
(MASK THICKNESS 0.12mm)

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

THIRD ANGLE PROJ.

REFERENCE	EAR#
	EAR # 2750

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:
<0.5mm = ±0.05mm [<0.020 = ±0.002]
>0.5 - 6mm = ±0.1mm [>0.020 - 0.236 = ±0.004]
>6.00 - 30mm = ±0.2mm [>0.236 - 1.181 = ±0.008]
>30.00 - 120mm = ±0.3mm [>1.181 - 4.725 = ±0.012]
ANGLES = ±1°

MATERIAL

ENGR.1	ENGR.2	DATE
TANGOR	PRAVEEN N.B	24-Nov-14

TITLE: RF SWITCH ASSEMBLY

SHEET NO. 2 OF 2 | SCALE: 15.0:1.0

Amphenol RF

SIZE	DRAWING NO.	REV
B	902-9040	F
	ITEM NO. 902-9040	
	PART NO. 902-9040	