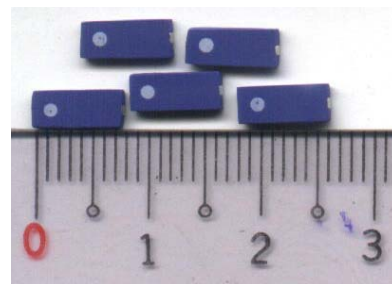


Product Specification¹

Dimension	7.8* 3.6 * 0.9 mm
Central Frequency*	2.45 GHz
Bandwidth	>100 MHz
Gain	2.5 dBi max
VSWR	2.0 max
Polarization	Linear
Azimuth	Omni-directional
Impedance	50Ω
Operating Temperature	-55~125 °C
Termination	Ni/Sn (Environment)
Resistance to soldering heats	260°C, 10 sec.
Maximum Power	1W

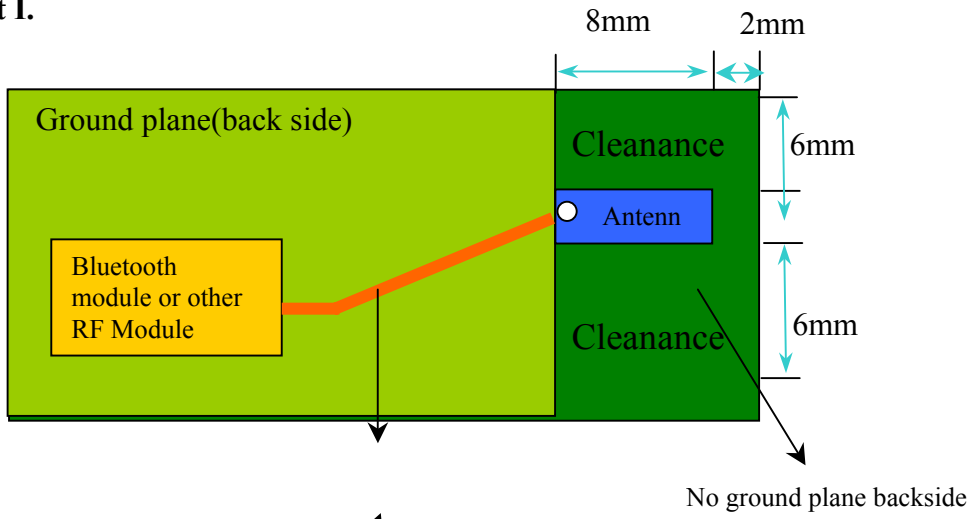


¹ All the technical data and information contained herein are subject to change without prior notice

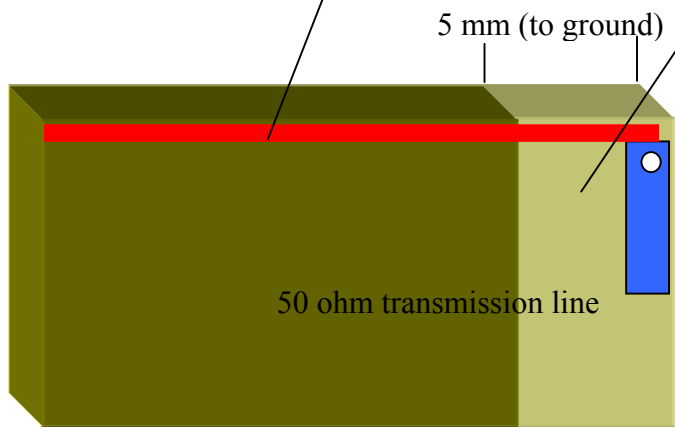
HF R&D	Print date 04/02/04				Preliminary internal use only			
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APPLICATION

Suggested Layout I.



Suggested Layout II.



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DIMENSIONAL DATA

Figure	Dimension	Port
	L	7.8 ± 0.25 mm
	W	3.6 ± 0.2 mm
	T	0.9 ± 0.2 mm
	F	1.25 ± 0.25 mm
	C	0.4 ± 0.2 mm
	S1	1.25 ± 0.25 mm
	S2	1.40 ± 0.25 mm
		- - - Feed Termination - NC Solder Termination Only Optional NC Solder Termination Only

SOLDER LAND PATTERN

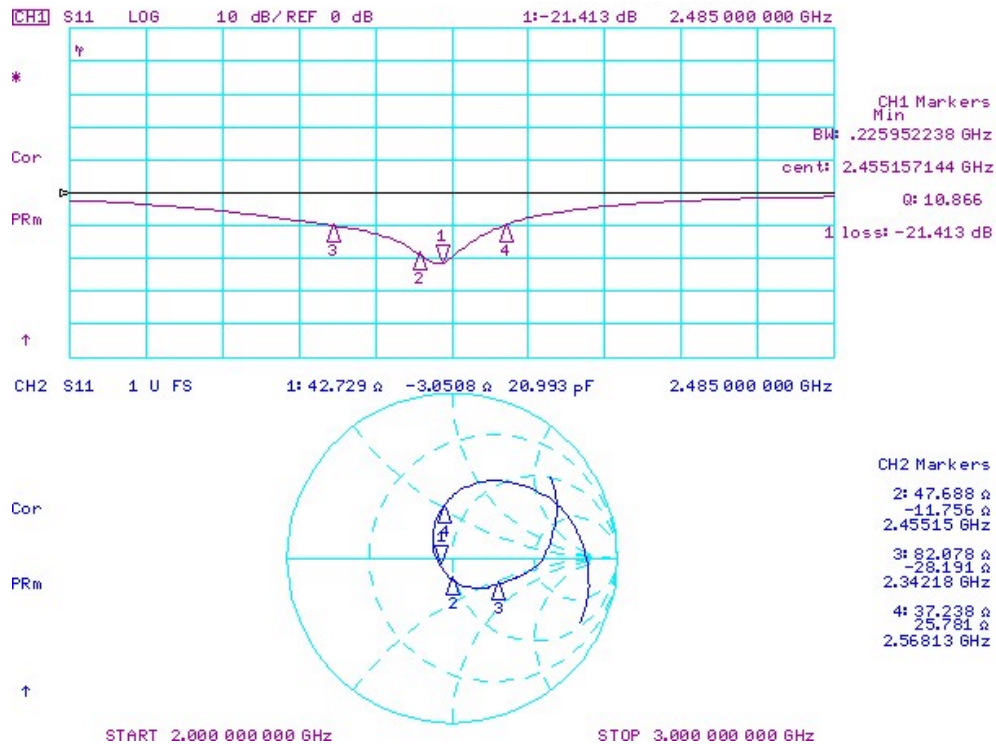
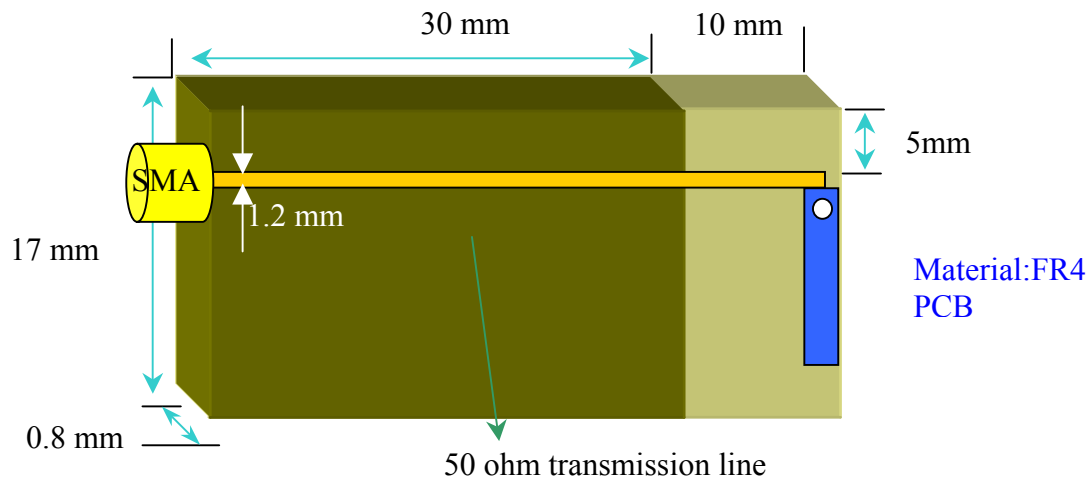
Figure	Dimensions	Remark
	L	9 ± 0.10 mm
	W	4.4 ± 0.20 mm
	F	1.40 ± 0.25 mm
	C	0.80 ± 0.20 mm
	S1	1.40 ± 0.25 mm
	S2	1.60 ± 0.25 mm
		Feed Pad NC Mount Pad Only Optional NC Mount Pad Only

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STANDARD TEST BOARD FOR SWR



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RELIABILITY DATA (Reference to IEC Specification)

IEC 384-10/ CECC 32 100 CLAUSE	IEC 60068-2 TEST METHOD	TEST	PROCEDURE	REQUIREMENTS
4.4		Mounting	The antenna can be mounted on printed-circuit boards or ceramic substrates by applying wave soldering, reflow soldering (including vapour phase soldering) or conductive adhesive	No visible damage
4.5		Visual inspection and dimension check	Any applicable method using $\times 10$ magnification	In accordance with specification (chip off 4mm)
4.6.1		Antenna	Central Frequency at 20 °C	Standard test board in page 4
4.8		Adhesion	A force of 3 N applied for 10 s to the line joining the terminations and in a plane parallel to the substrate	No visible damage
4.9		Bond strength of plating on end face	Mounted in accordance with CECC 32 100, paragraph 4.4	No visible damage
			Conditions: bending 0.5 mm at a rate of 1mm/s, radius jig. 340 mm, 2mm warp on FR4 board of 90 mm length	No visible damage

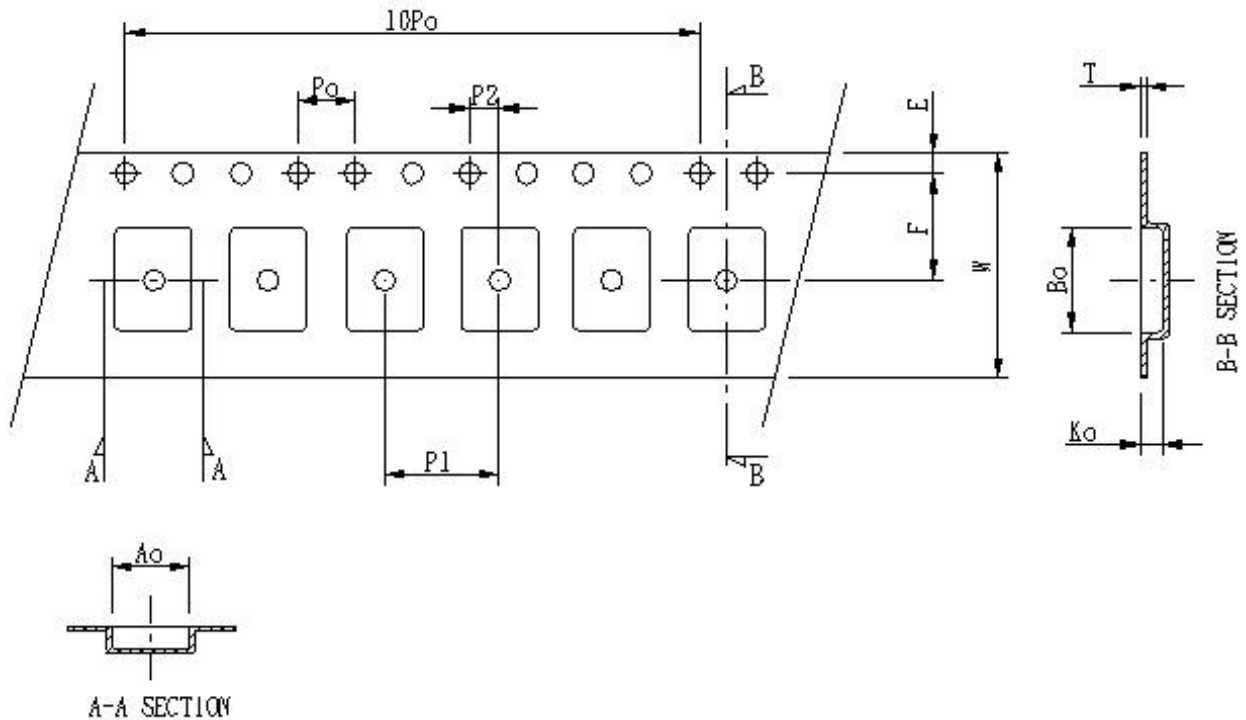
HF R&D	Print date 04/02/04											Preliminary internal use only				
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The antennas may be ordered by using the Yageo ordering code. These code numbers can be determined by the following rules:

Type 270 (Marking 7)

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Taping Blister Tape

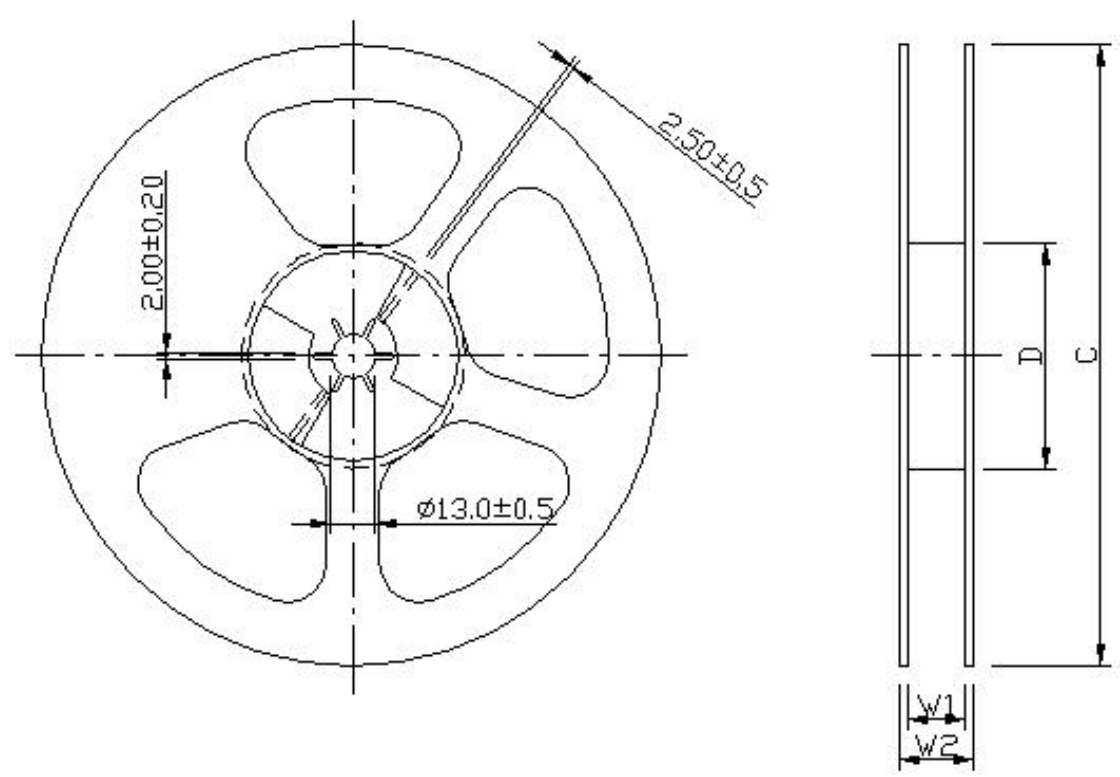


DIMENSION:

Serial no	Checking note	Index	Spec(mm)
1	Sprocket hole	Do	1.55±0.10
2	Pocket hole	D1	1.50±0.10
3	Distance sprocket hole/sprocket hole	Po	4.0±0.10
4	Distance pocket/pocket	P1	8.0±0.10
5	Distance sprocket hole/pocket	P2	2.0±0.10
6	Tape width	W	16.0±0.30
7	Distance sprocket hole/outside	E	1.75±0.10
8	Distance sprocket hole/pocket	F	7.50±0.10
9	Pocket length	Ao	3.86±0.10
10	Pocket length	Bo	8.15±0.10
11	Pocket depth	Ko	1.20±0.10
12	Thickness of tape	T	0.25±0.10
13	10x sprocket hole pitch	10Po	40.0±0.20

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7”(180mm) Reel Specifications



Product size code	Units per Reel	Tape Width (mm)	C (mm)	D (mm)	W ₁ (mm)	W ₂ (mm)
Antenna	1000	16	180.0±1.0	62±0.5	16.0 ⁺¹ ₋₀	20.5±0.2

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