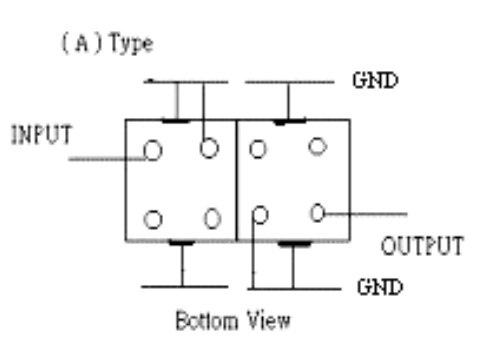
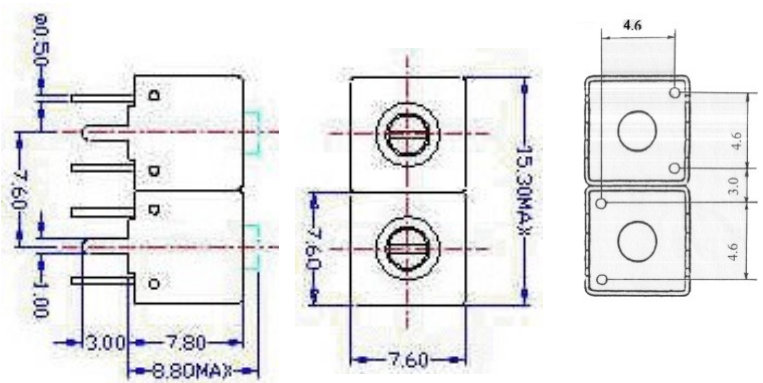


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2224A-997M
Approval No. /dated	20104063DC	Acceptable Specify Fo. Range	976~1000MHz
Work Instruction No.	20104063DC	Date	2001.04.18

<p>(1) Pin Position</p>  <p>(A) Type INPUT, GND, OUTPUT, GND Bottom View</p>	<p>(2) Size Diagram</p>  <p>Dimensions: 9.50, 7.60, 1.00, 3.00, 7.80, 8.80MAX, 7.60, 15.30MAX, 4.6, 3.0, 4.6, 4.6</p>
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(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	997 MHz	997 MHz
Tunable Range	997±5 MHz	997±5 MHz
Insertion Loss	Typ. 3.0 dB	1.9 dB
-3 dB Bandwidth	Typ. 29 MHz	34 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 29 dBc
	Fo + 100 MHz	Typ. 24 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	23 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω

(4) Torque for Tuning Screw > 100gf · cm

(5) Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6) Input Power > 1Watt

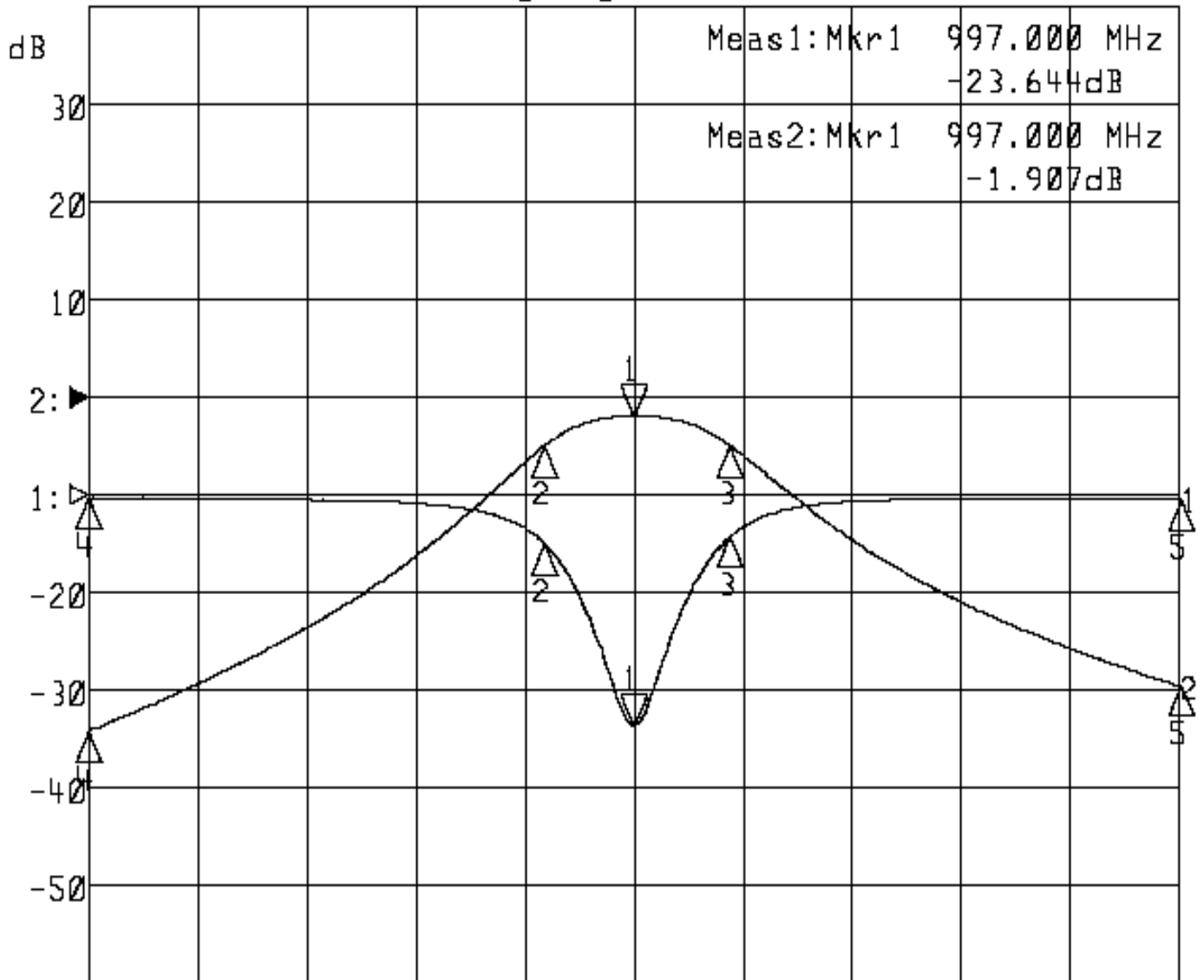
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TDS2224A-997M

20104063DC

▶1: S11 Refl Port1 Log Mag 10.0 dB/ Ref 0.00 dB C
 ▶2: S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 997.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 997.0000	-23.644	1> 997.0000	-1.907
2: 980.6667	-4.971	2: 980.6667	-4.926
3: 1014.6667	-4.277	3: 1014.6667	-4.926
4: 897.0000	-0.350	4: 897.0000	-34.224
5: 1097.0000	-0.409	5: 1097.0000	-29.558