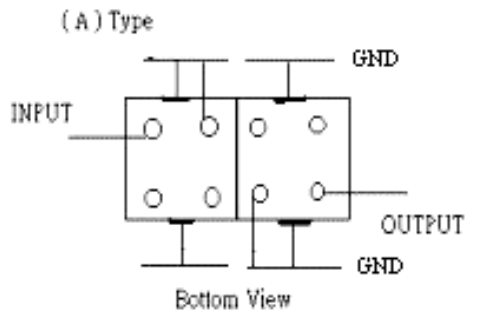
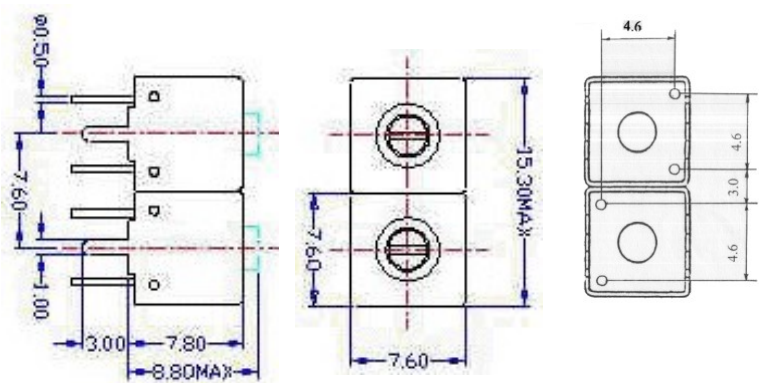


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2222A-997M
Approval No. /dated	20104007DC	Acceptable Specify Fo. Range	976~1000MHz
Work Instruction No.	20104007DC	Date	2001.4.12

<p>(1) Pin Position</p>  <p style="text-align: center;">(A) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	997 MHz	997 MHz
Tunable Range	997±10 MHz	997±10 MHz
Insertion Loss	Typ. 3.5 dB	2.8 dB
-3 dB Bandwidth	Typ. 16 MHz	21 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 38 dBc
	Fo + 100 MHz	Typ. 33 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	22 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

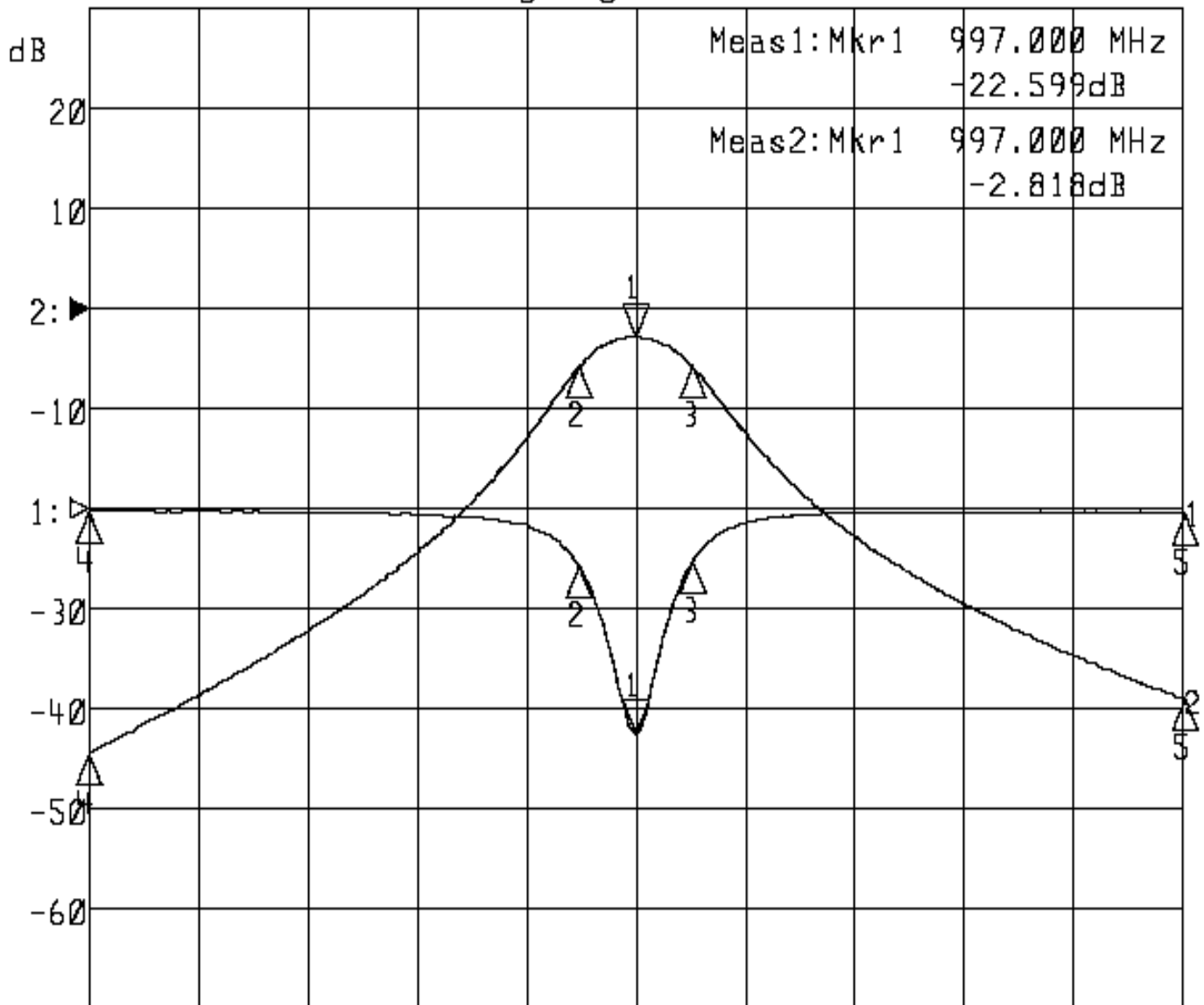
	> 1Watt		
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*4.5) 7S046LB4

TEMWELL CORPORATION

Performance-TDS2222A-997M

20104007DC

▶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	-22.599	1> 997.0000	-2.818
2: 986.6000	-5.688	2: 986.6000	-5.842
3: 1007.4667	-5.221	3: 1007.4667	-5.857
4: 897.0000	-0.310	4: 897.0000	-44.536
5: 1097.0000	-0.378	5: 1097.0000	-39.022