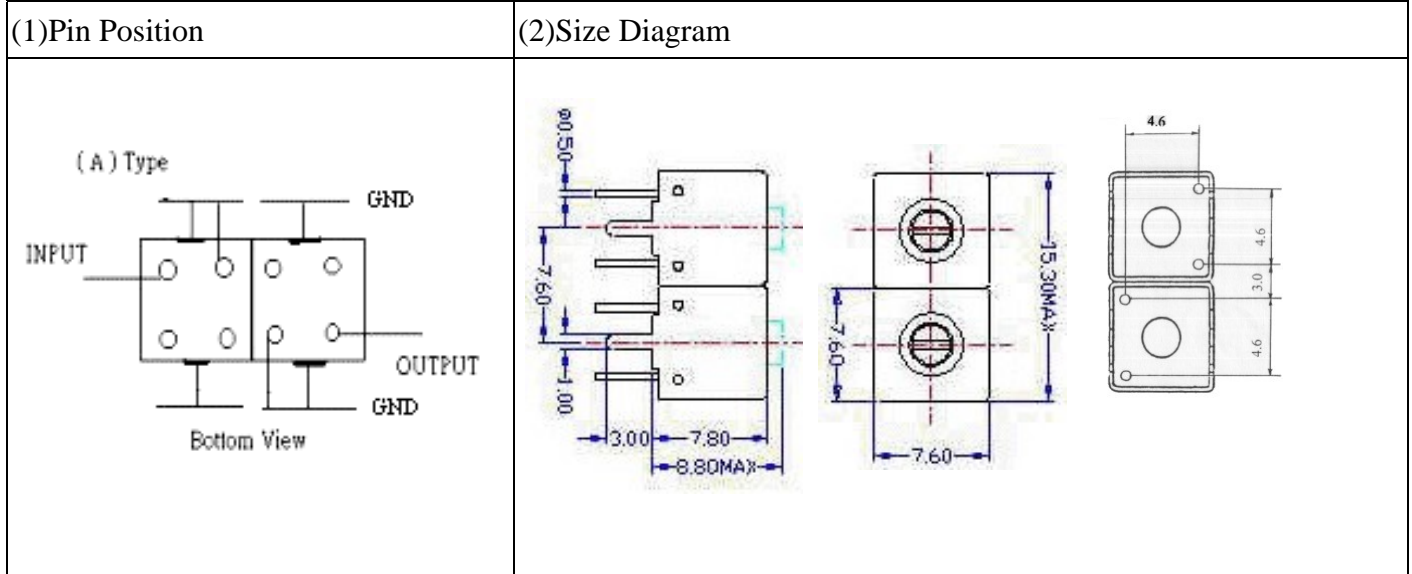


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2201A-940M
Approval No. /dated	20110031DC	Acceptable Specify Fo. Range	931~950MHz
Work Instruction No.	20110031DC	Date	2001.10.18



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	940 MHz	940 MHz	
Tunable Range	940±5 MHz	940±5 MHz	
Insertion Loss	Typ. 2.0 dB	1.2 dB	
-3 dB Bandwidth	Typ. 77 MHz	82 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 13 dBc	16 dBc
	Fo +100 MHz	Typ. 9.0 dBc	12 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	15 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

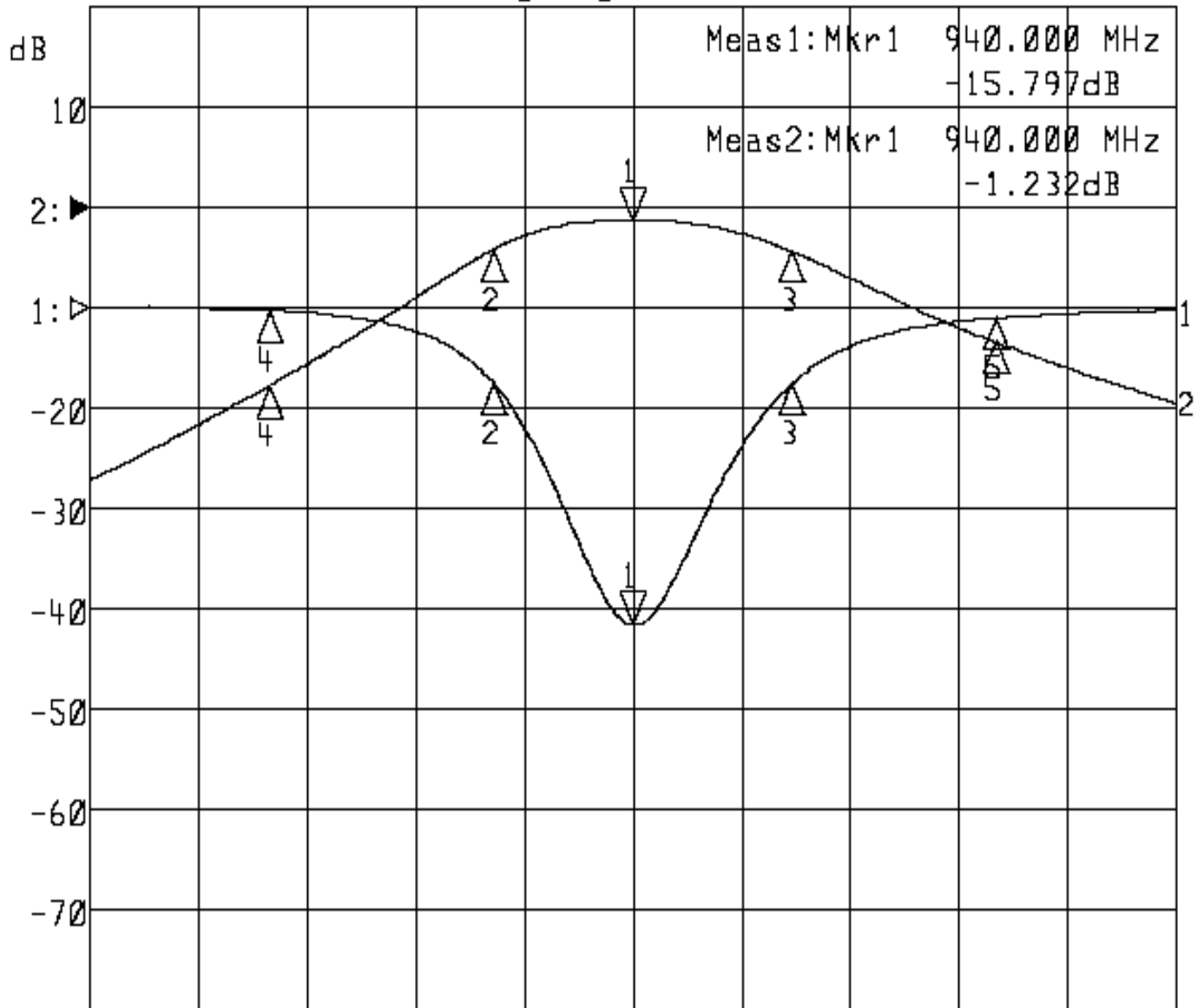
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2201A-940M

20110031DC

▶1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C
▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 940.000 MHz

Span 300.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 940.0000	-15.797	1> 940.0000	-1.232
2: 901.5000	-3.727	2: 901.5000	-4.200
3: 983.7000	-3.810	3: 983.7000	-4.310
4: 840.0000	-0.136	4: 840.0000	-17.687
5: 1040.0000	-0.495	5: 1040.0000	-13.374