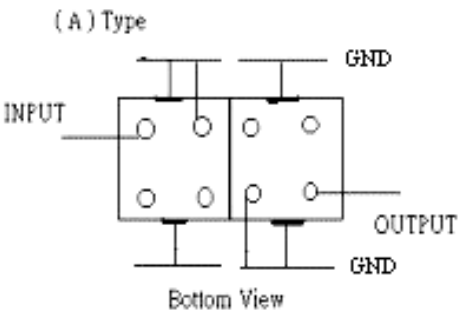
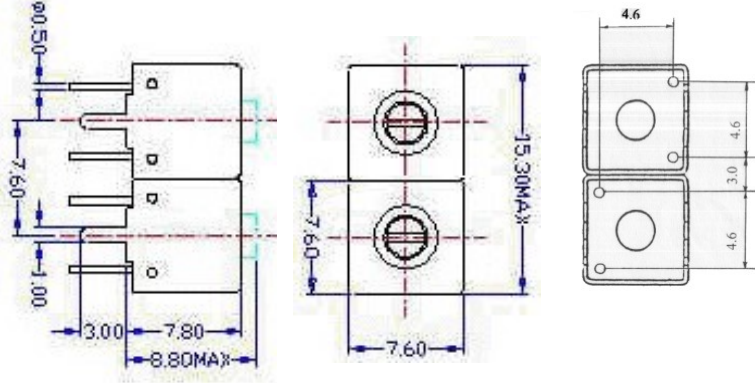


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2275A-1270M
Approval No. /dated	20111080DB	Acceptable Specify Fo. Range	1181~1250MHz
Work Instruction No.	20111080DB	Date	2001.11.14

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

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1270 MHz	1270 MHz	
Tunable Range	1270±10 MHz	1270±10 MHz	
Insertion Loss	Typ. 4.5 dB	3.8 dB	
-3 dB Bandwidth	Typ. 23 MHz	29 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 28 dBc	31 dBc
	Fo +100 MHz	Typ. 25 dBc	28 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	13 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

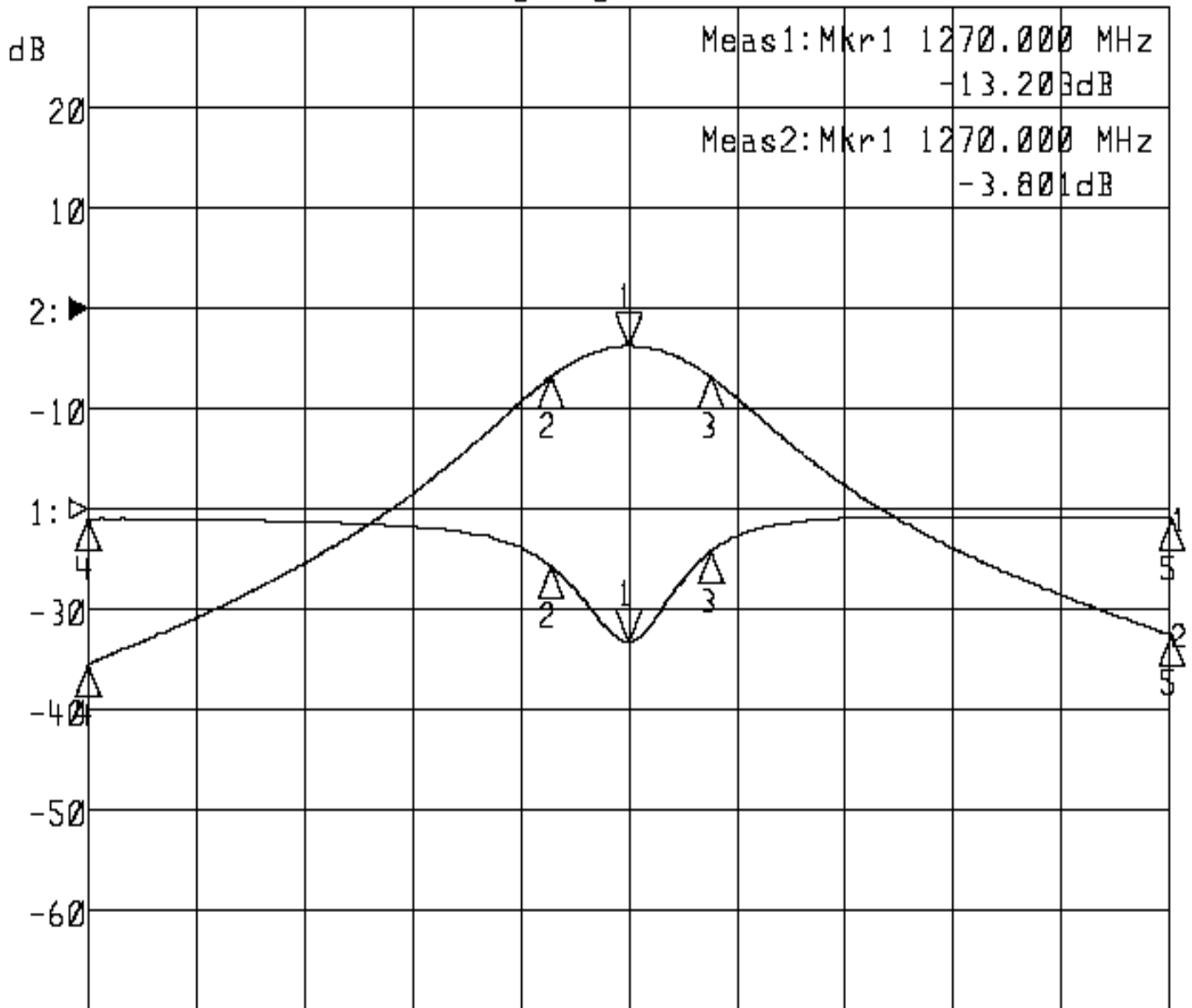
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TDS2275A-1270M

20111080DB

▶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 1 270.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 1270.0000	-13.203	1> 1270.0000	-3.801
2: 1255.7333	-5.693	2: 1255.7333	-6.763
3: 1285.1333	-4.260	3: 1285.1333	-6.755
4: 1170.0000	-0.983	4: 1170.0000	-35.400
5: 1370.0000	-0.887	5: 1370.0000	-32.430