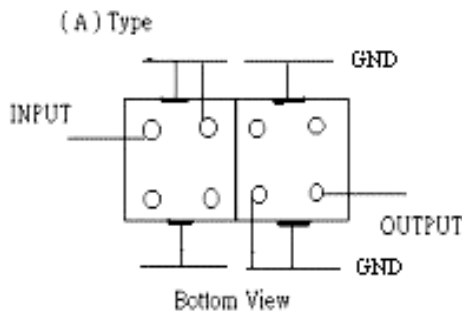
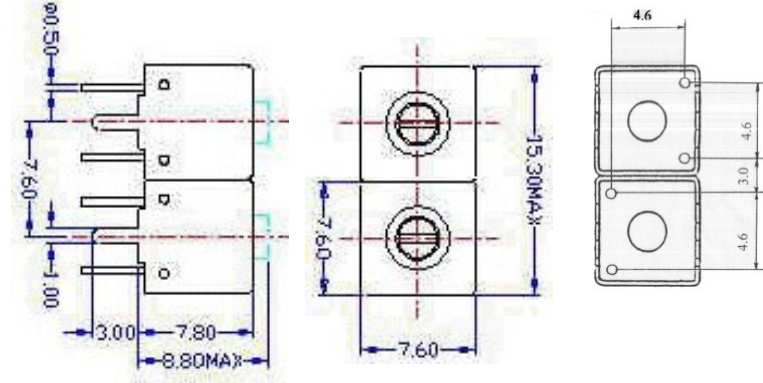


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2271A-1270M
Approval No. /dated	20106018DC	Acceptable Specify Fo. Range	1181~1250MHz
Work Instruction No.	20106018DC	Date	2001.07.06

<p>(1) Pin Position</p>  <p>(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 %	1270 MHz	1270 MHz	
Tunable Range	1270±5 MHz	1270±5 MHz	
Insertion Loss	Typ. 2.0 dB	1.4 dB	
-3 dB Bandwidth	Typ. 81 MHz	87 MHz	
Sensitivity (Attenuation)	Fo - 150 MHz	Typ. 19 dBc	22 dBc
	Fo + 150 MHz	Typ. 15 dBc	18 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	30 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

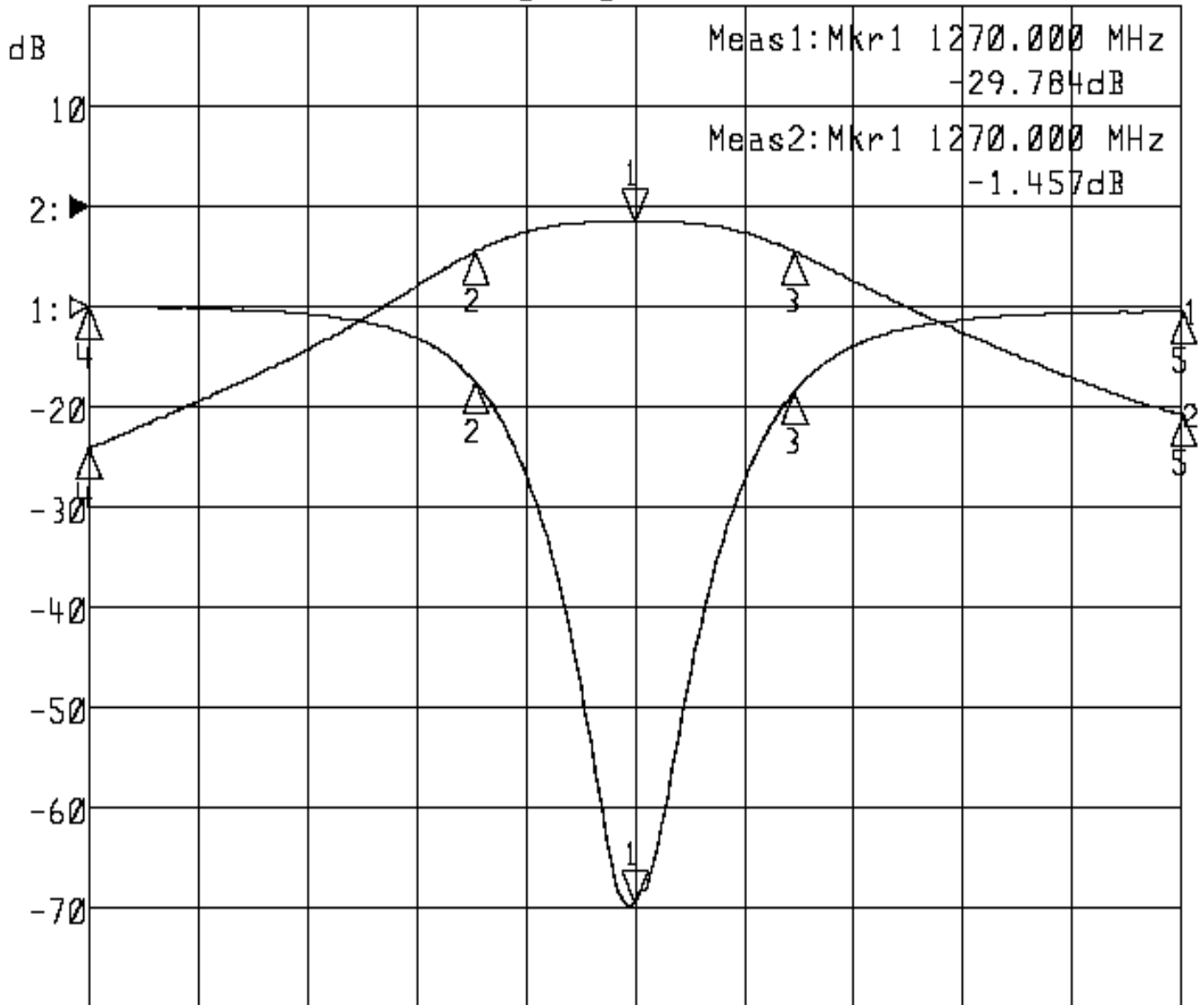
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*4.5) 7S024RB5.5

TEMWELL CORPORATION

Performance-TDS2271A-1270M

20106018DC

▶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 1 270.000 MHz

Span 300.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 1270.0000	-29.784	1> 1270.0000	-1.457
2: 1226.5000	-3.788	2: 1226.5000	-4.428
3: 1313.6000	-4.302	3: 1313.6000	-4.453
4: 1120.0000	0.037	4: 1120.0000	-24.123
5: 1420.0000	-0.246	5: 1420.0000	-20.725