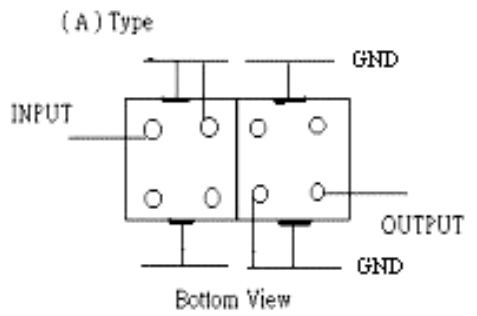
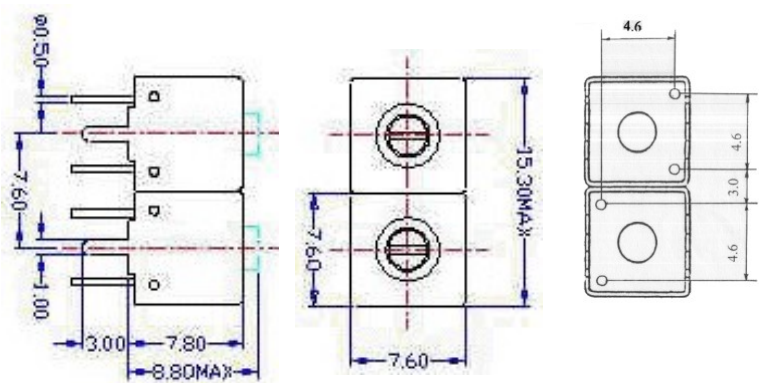


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2171A-870M
Approval No. /dated	20110025DC	Acceptable Specify Fo. Range	861~900MHz
Work Instruction No.	20110025DC	Date	2001.10.16

<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 %	870 MHz	870 MHz
Tunable Range	870±5 MHz	870±5 MHz
Insertion Loss	Typ. 2.0 dB	1.1 dB
-3 dB Bandwidth	Typ. 66 MHz	70 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 16 dBc
	Fo + 100 MHz	Typ. 11 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. 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

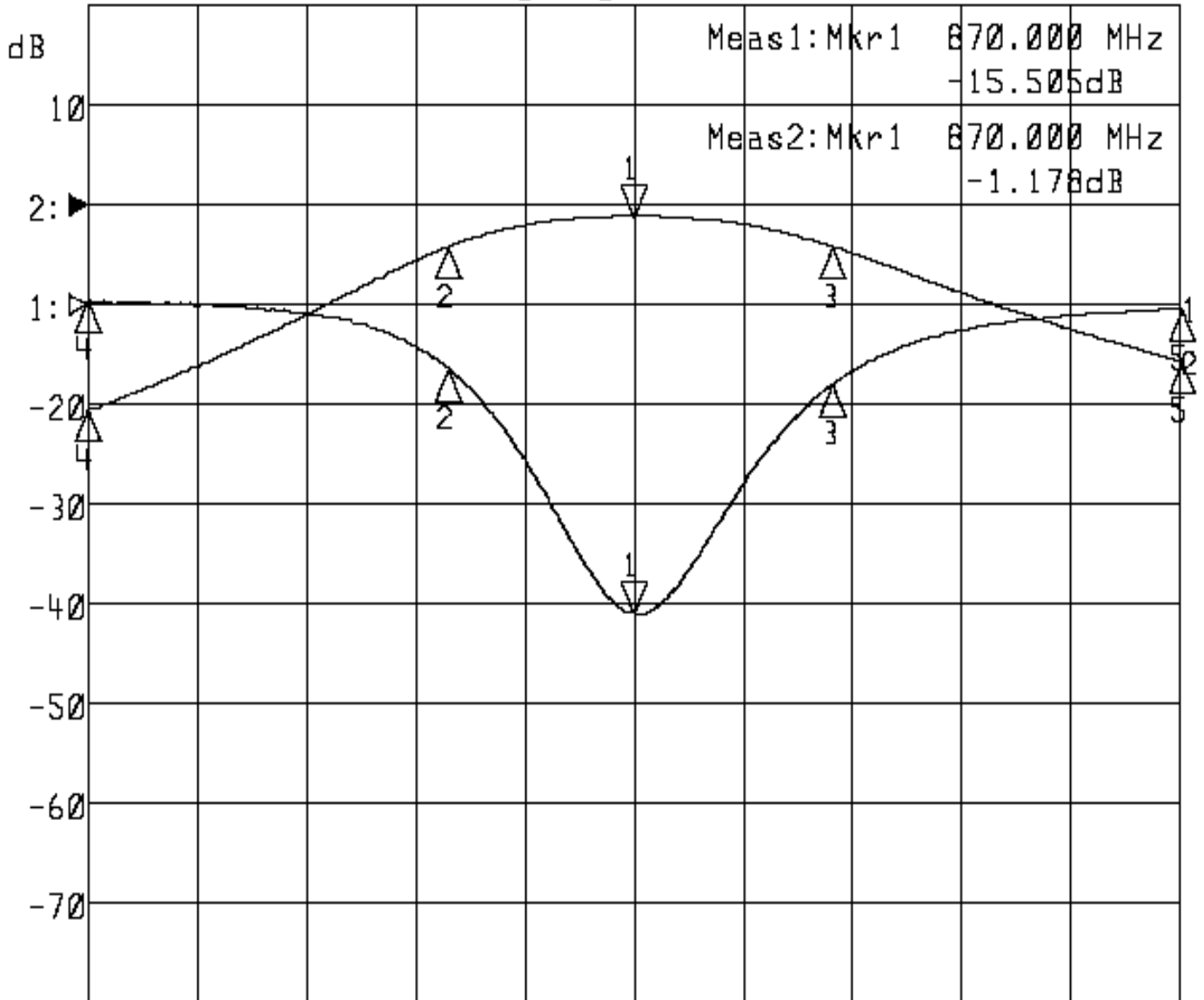
TEMWELL CORPORATION

Performance-TDS2171A-870M

20110025DC

▶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 870.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 870.0000	-15.505	1> 870.0000	-1.178
2: 836.1333	-3.210	2: 836.1333	-4.175
3: 906.2667	-4.025	3: 906.2667	-4.128
4: 770.0000	0.287	4: 770.0000	-20.500
5: 970.0000	-0.241	5: 970.0000	-15.646