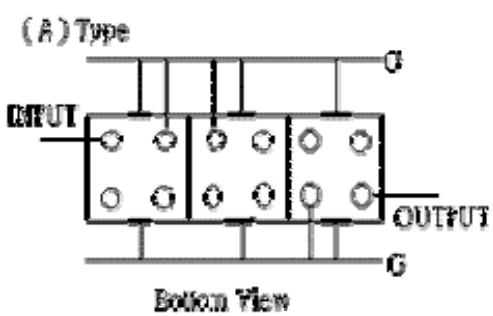
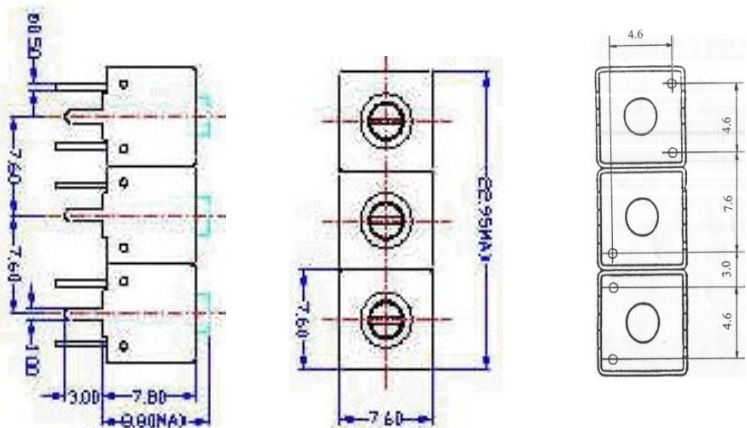


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3171A-870M
Approval No. /dated	20110026DC	Acceptable Specify Fo. Range	861~900MHz
Work Instruction No.	20110026DC	Date	2001.10.16

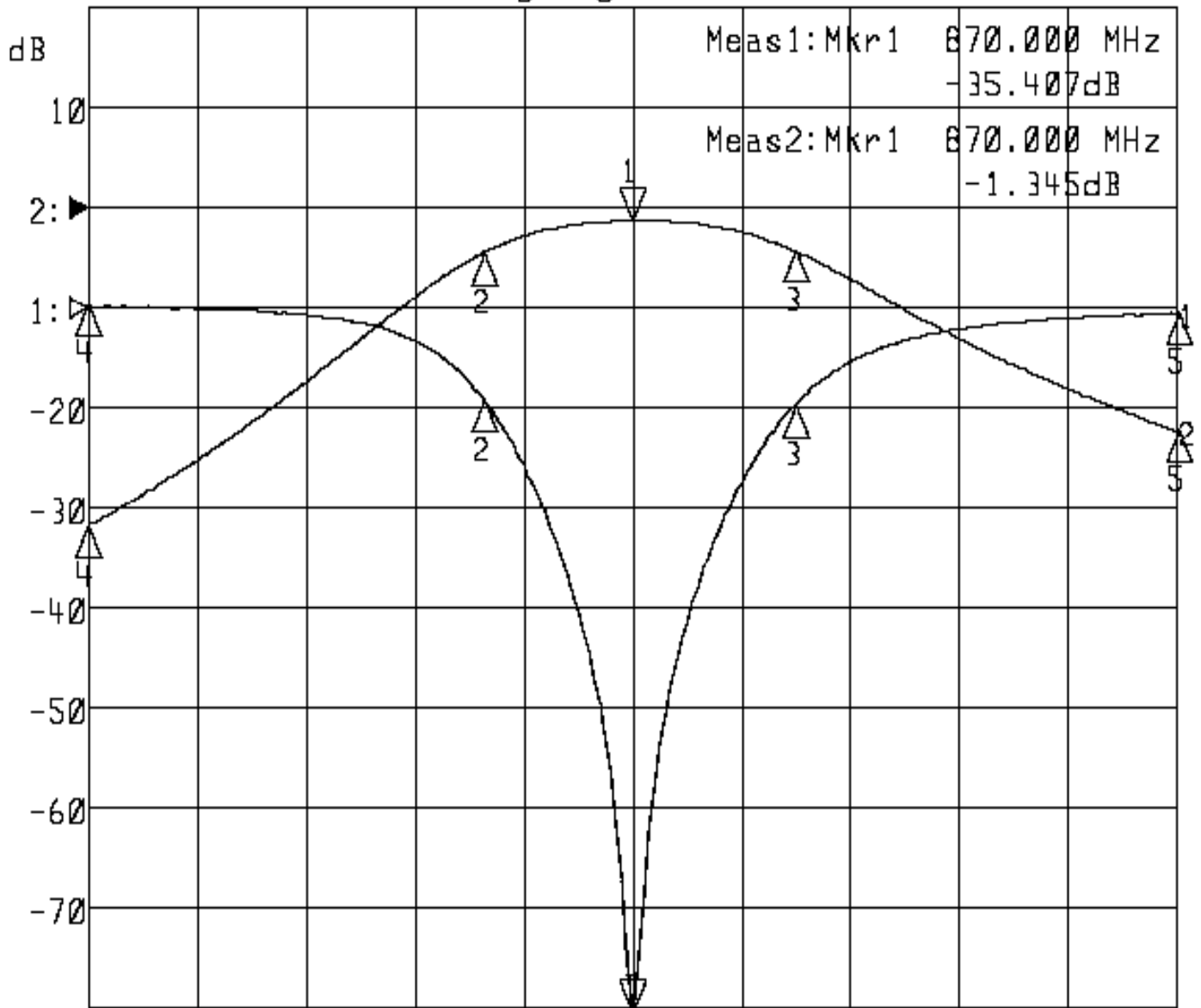
<p>(1) Pin Position</p>  <p style="text-align: center;">(A) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	870 MHz	870 MHz	
Tunable Range	870 ±10 MHz	870 ±10 MHz	
Insertion Loss	Typ. 2.0 dB	1.3 dB	
-3 dB Bandwidth	Typ. 53 MHz	57 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 27 dBc	30 dBc
	Fo +100 MHz	Typ. 18 dBc	21 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	35.4 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	7S3(4* 5.2) 7S046LB6
TEMWELL CORPORATION			

Performance-TTS3171A-870M

20110026DC

▷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	-35.407	1> 870.0000	-1.345
2: 842.8667	-4.612	2: 842.8667	-4.384
3: 899.8000	-4.879	3: 899.8000	-4.364
4: 770.0000	0.189	4: 770.0000	-31.644
5: 970.0000	-0.308	5: 970.0000	-22.350