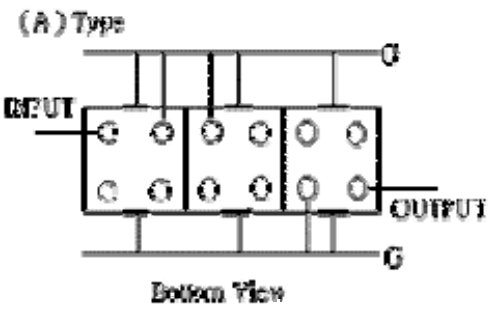
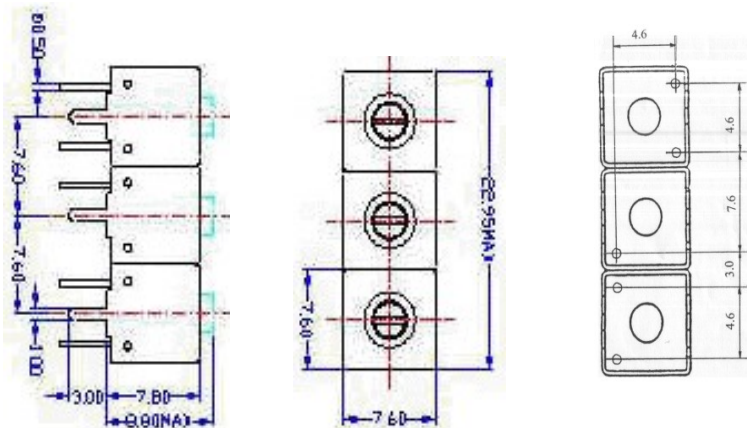


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3174A-870M
Approval No. /dated	20104055DC	Acceptable Specify Fo. Range	861~900MHz
Work Instruction No.	20104055DC	Date	2001.04.19

<p>(1) Pin Position</p>  <p style="text-align: center;">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. 5.5 dB	4.4 dB	
-3 dB Bandwidth	Typ. 18 MHz	22 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 37 dBc	40 dBc
	Fo + 100 MHz	Typ. 28 dBc	31 dBc
	Fo - () MHz	Typ. dBc	dBc
	Fo +() MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	21.2 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 > 1 Watt

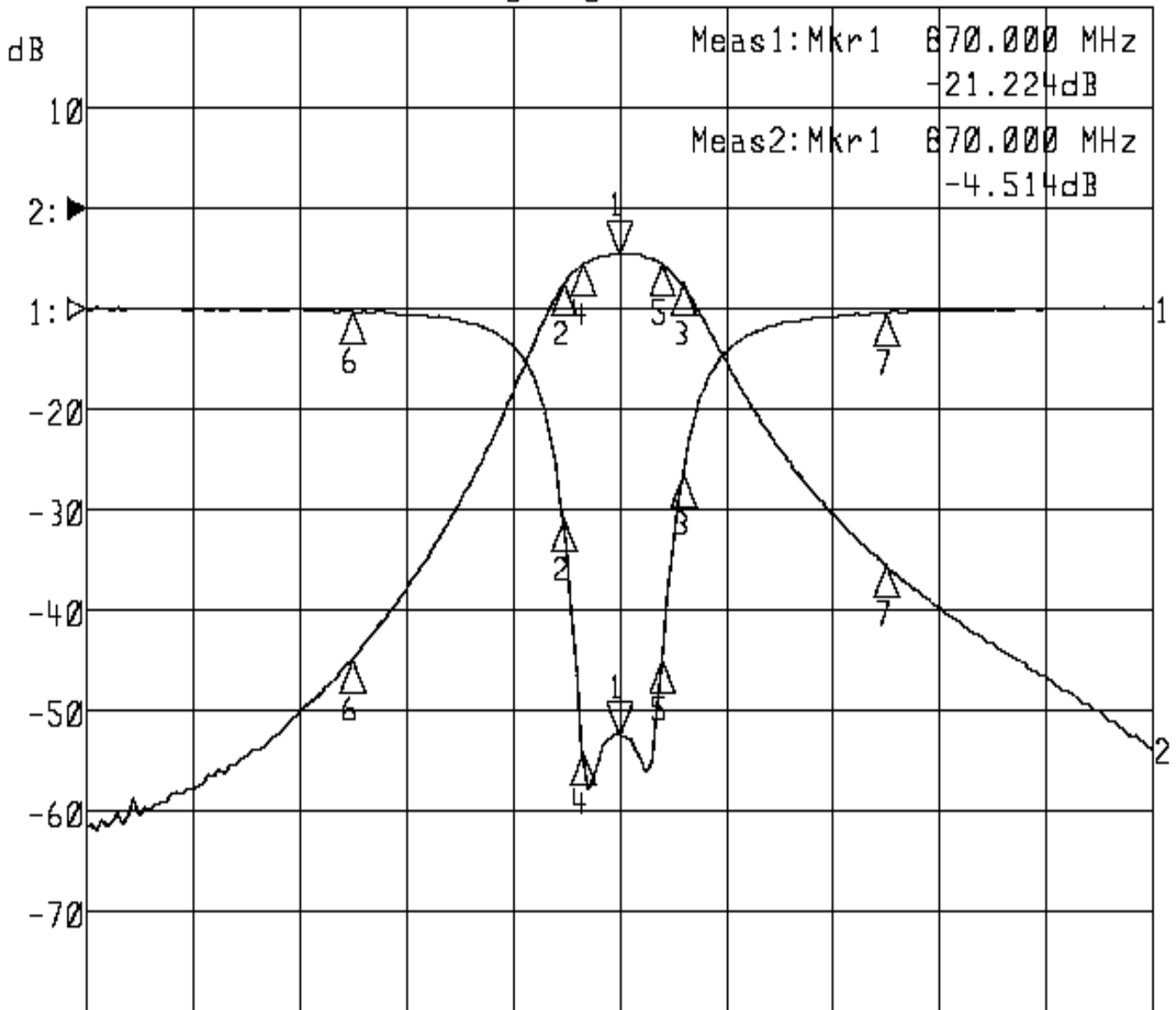
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S3S (4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TTS3174A-870M

20104055DC

▶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	-21.224	1> 870.0000	-4.514
2: 859.4667	-10.509	2: 859.4667	-7.575
3: 881.8000	-8.278	3: 881.8000	-7.553
4: 863.2000	-22.147	4: 863.2000	-5.546
5: 877.9333	-17.446	5: 877.9333	-5.471
6: 820.0000	-0.167	6: 820.0000	-44.899
7: 920.0000	-0.214	7: 920.0000	-35.563