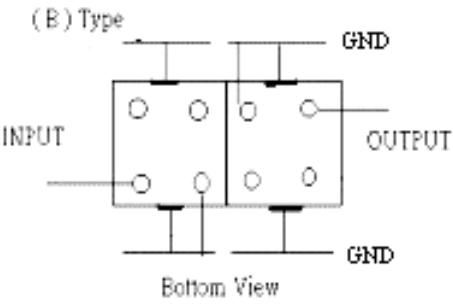
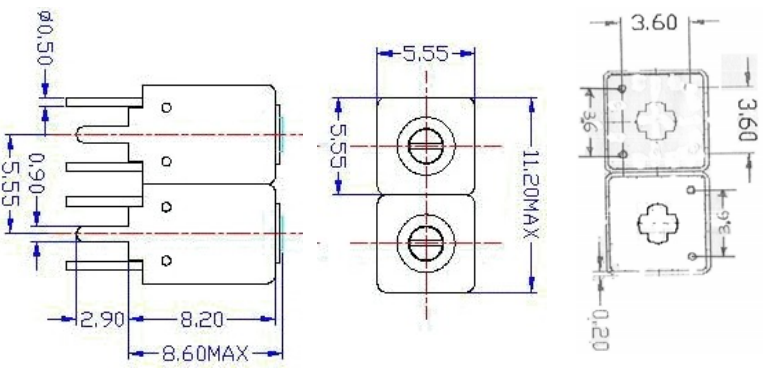


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2531B-870M
Approval No. /dated	20111052DC	Acceptable Specify Fo. Range	851~900MHz
Work Instruction No.	20111052DC	Date	Nov.20.2001

<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. 4.0 dB	3.2 dB	
-3 dB Bandwidth	Typ. 11 MHz	20.6 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 27 dBc	30 dBc
	Fo + 50 MHz	Typ. 20 dBc	23 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	28.3 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	
(4)Torque for Tuning Screw	> 60gf • cm		

(5)Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6)Input Power

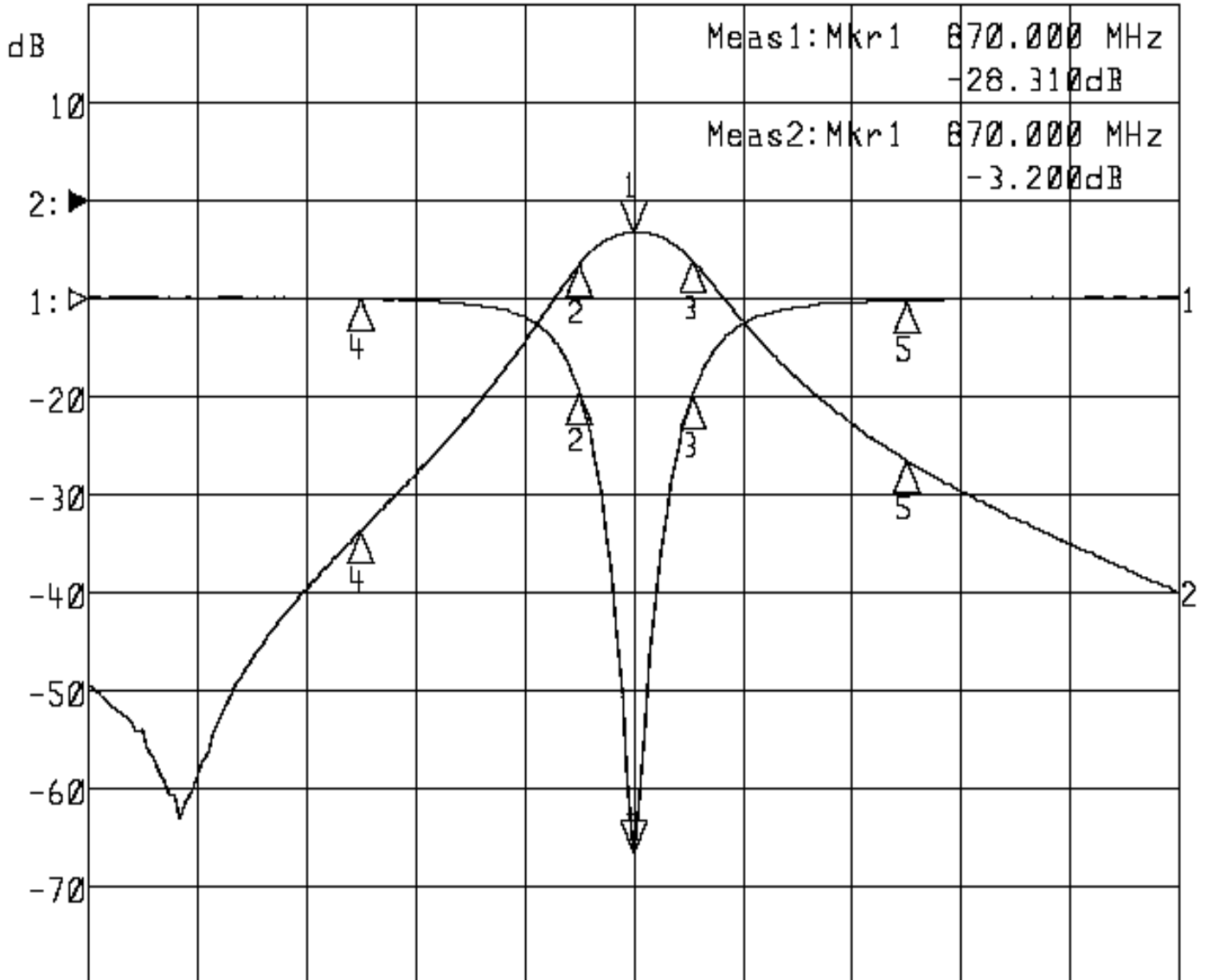
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*3.7) 5HW024RB3

TEMWELL CORPORATION

Performance-TDW2531B-870M

20111052DC

▷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	-28.310	1> 870.0000	-3.200
2: 860.1333	-4.794	2: 860.1333	-6.411
3: 880.7333	-4.989	3: 880.7333	-6.056
4: 820.0000	-0.035	4: 820.0000	-33.678
5: 920.0000	-0.103	5: 920.0000	-26.490