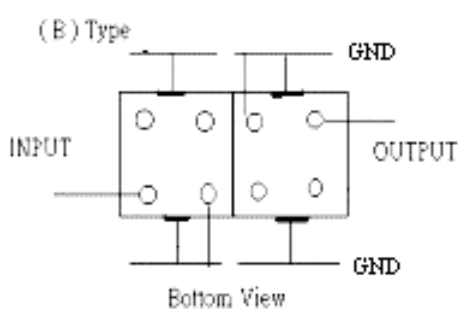
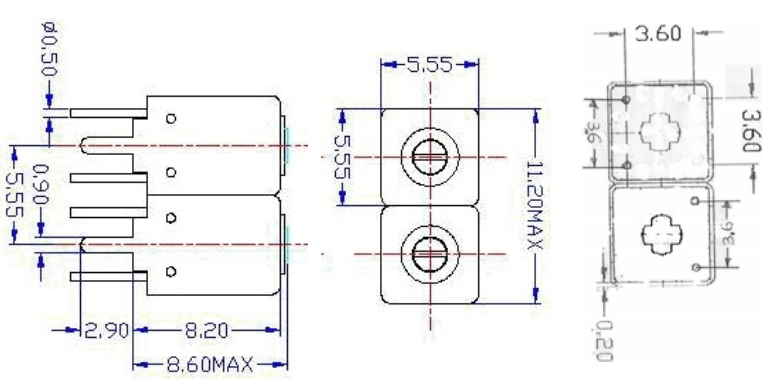


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2551B-915M
Approval No. /dated	20111056DC	Acceptable Specify Fo. Range	901~950MHz
Work Instruction No.	20111056DC	Date	Nov.27.2001

(1)Pin Position	(2)Size Diagram
 <p>(B) Type INPUT OUTPUT GND GND Bottom View</p>	 <p>Dimensions: $\phi 0.50$, 0.90, 5.55, 2.90, 8.20, 8.60MAX, 5.55, 5.55, 11.20MAX, 3.60, 3.60, 0.20, 9.7E</p>

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	915 MHz	915 MHz	
Tunable Range:	915±10 MHz	915±10 MHz	
Insertion Loss	Typ. 5.5 dB	4.21 dB	
-3 dB Bandwidth	Typ. 14 MHz	22.6 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 23 dBc	26 dBc
	Fo + 50 MHz	Typ. 17 dBc	20 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	27.8 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4)Torque for Tuning Screw	> 60gf • cm
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(5)Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C
(6)Input Power	> 0.5Watt

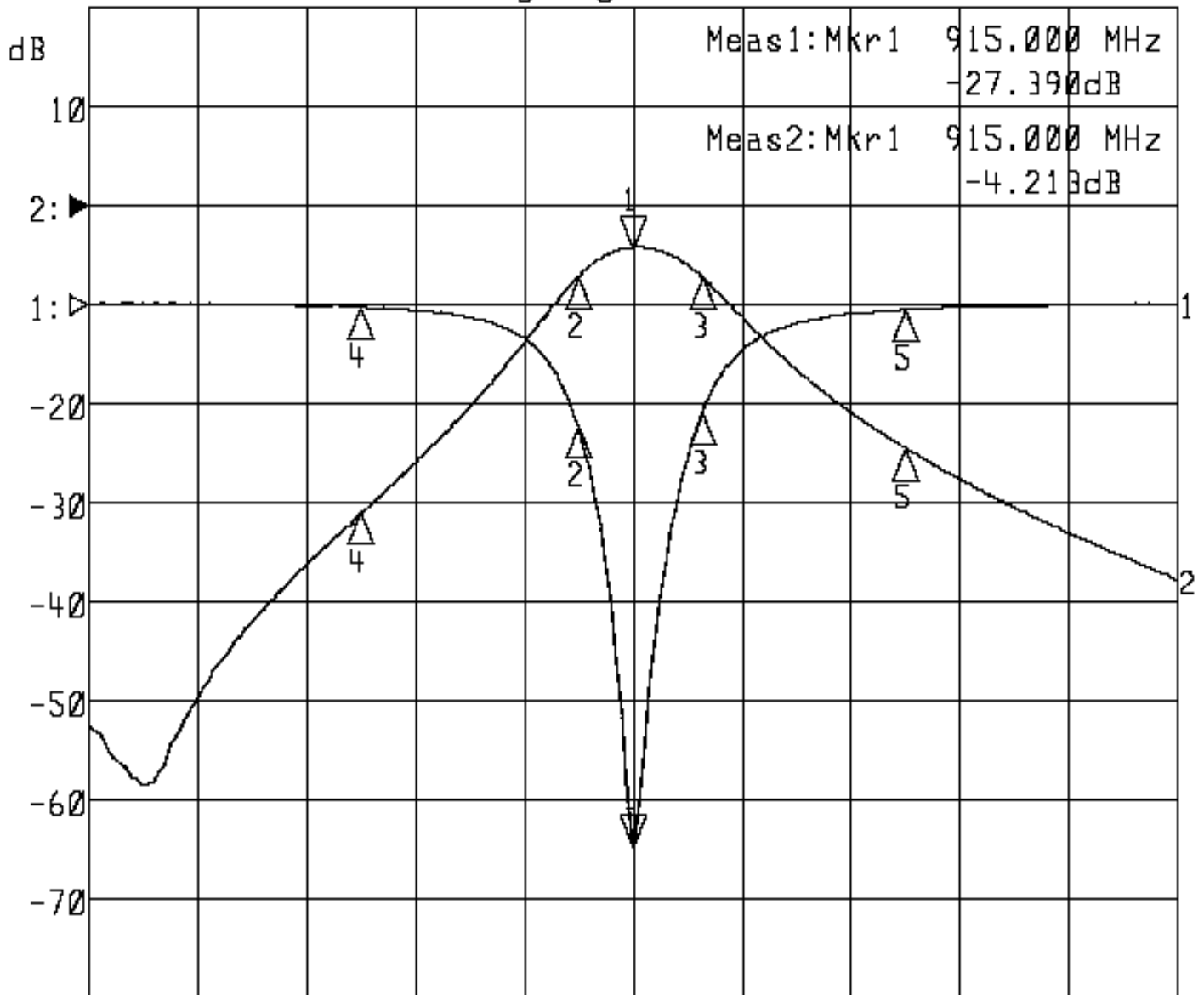
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	Enlan	5W2S(3.8*3.7) 5HW024RB3

TEMWELL CORPORATION

Performance-TDW2551B-915M

20111056DC

▷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 915.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 915.0000	-27.390	1> 915.0000	-4.213
2: 905.0000	-6.182	2: 905.0000	-7.164
3: 927.6333	-5.449	3: 927.6333	-7.168
4: 865.0000	-0.107	4: 865.0000	-31.070
5: 965.0000	-0.235	5: 965.0000	-24.414