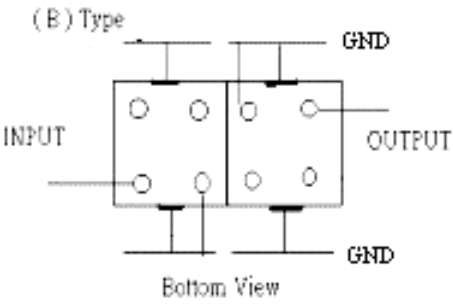
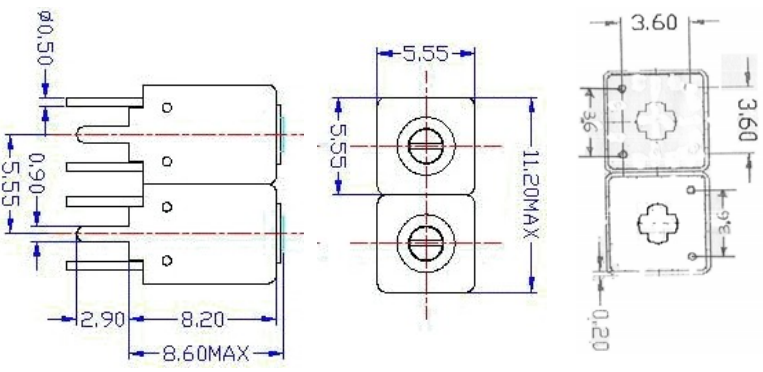


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2481B-680M
Approval No. /dated	20111036DC	Acceptable Specify Fo. Range	651~700MHz
Work Instruction No.	20111036DC	Date	Nov.22.2001

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

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	680 MHz	680 MHz	
Tunable Range:	680±5 MHz	680±5 MHz	
Insertion Loss	Typ. 4.0 dB	3.29 dB	
-3 dB Bandwidth	Typ. 10 MHz	17.4 MHz	
Sensitivity (Attenuation)	Fo - 30 MHz	Typ. 19 dBc	22 dBc
	Fo + 30 MHz	Typ. 13 dBc	16 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	16.9 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
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Storage Temperature	-20°C ~ +70°C
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(6)Input Power

	> 0.5Watt
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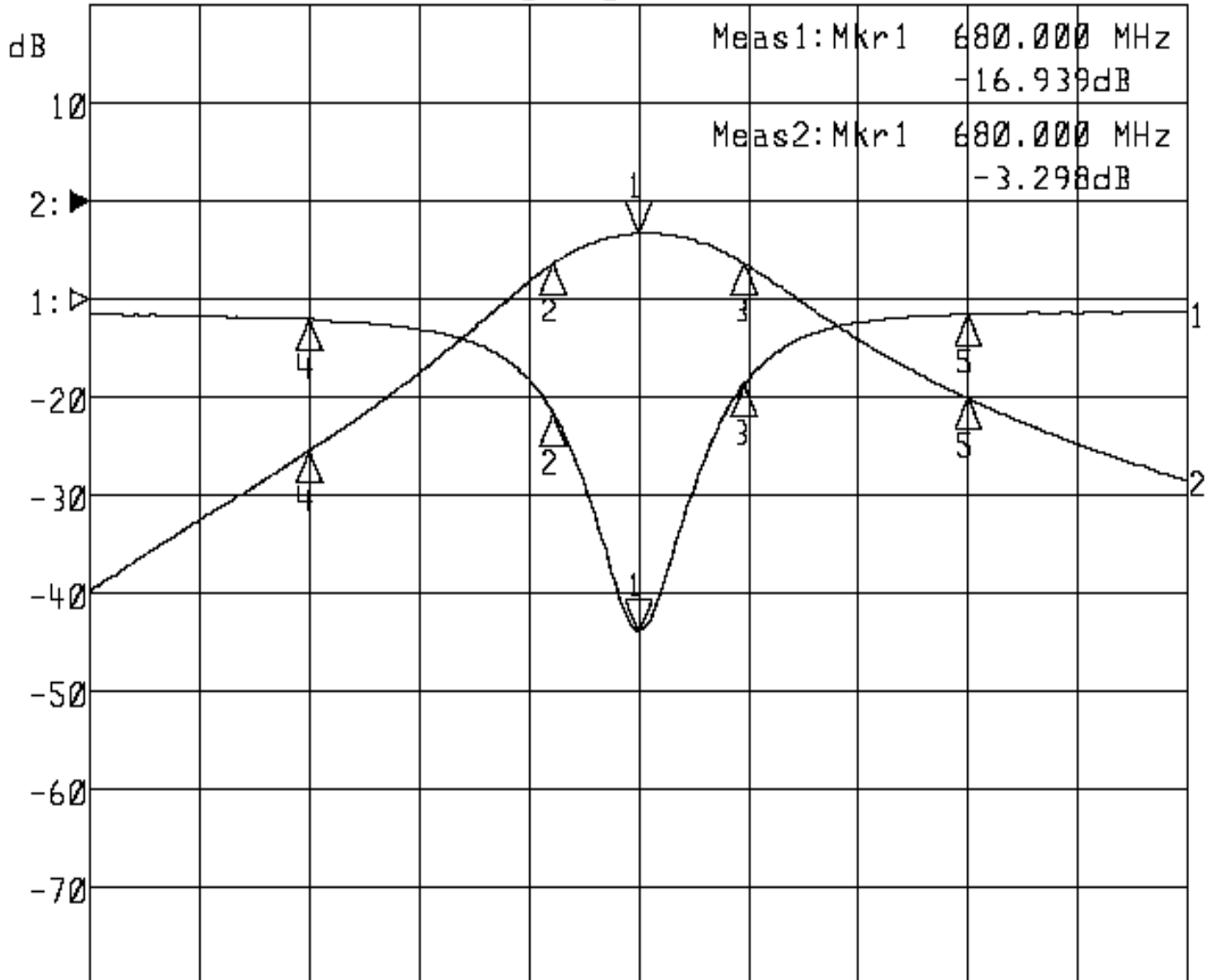
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*3.7) 5HW024RB3

TEMWELL CORPORATION

Performance-TDW2481B-680M

20111036DC

▶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 680.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 680.0000	-16.939	1> 680.0000	-3.298
2: 672.2667	-5.819	2: 672.2667	-6.346
3: 689.6000	-4.343	3: 689.6000	-6.287
4: 650.0000	-1.029	4: 650.0000	-25.445
5: 710.0000	-0.782	5: 710.0000	-20.104