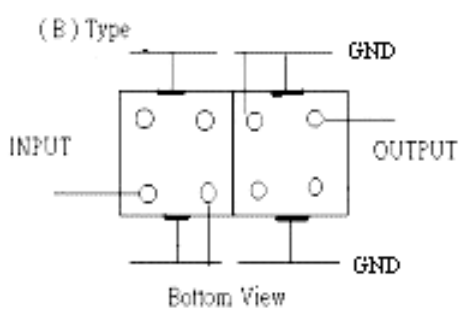
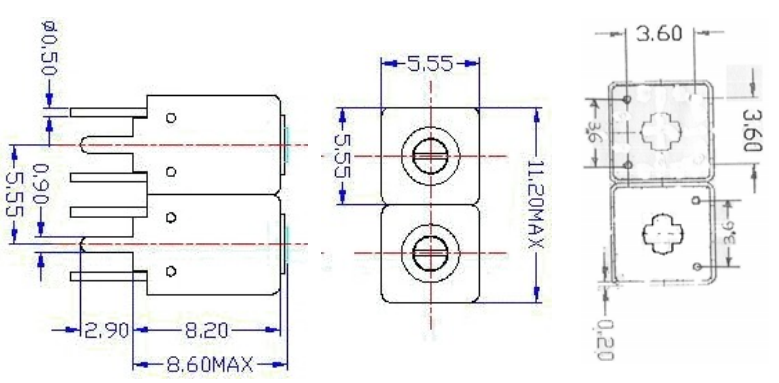


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2483B-680M
Approval No. /dated	20111153DC	Acceptable Specify Fo. Range	651~700MHz
Work Instruction No.	20111153DC	Date	Jan.17.2001

(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</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. 3.0 dB	2.0 dB	
-3 dB Bandwidth	Typ. 29 MHz	36 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 39 dBc	42 dBc
	Fo + 100 MHz	Typ. 22 dBc	25 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	15 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

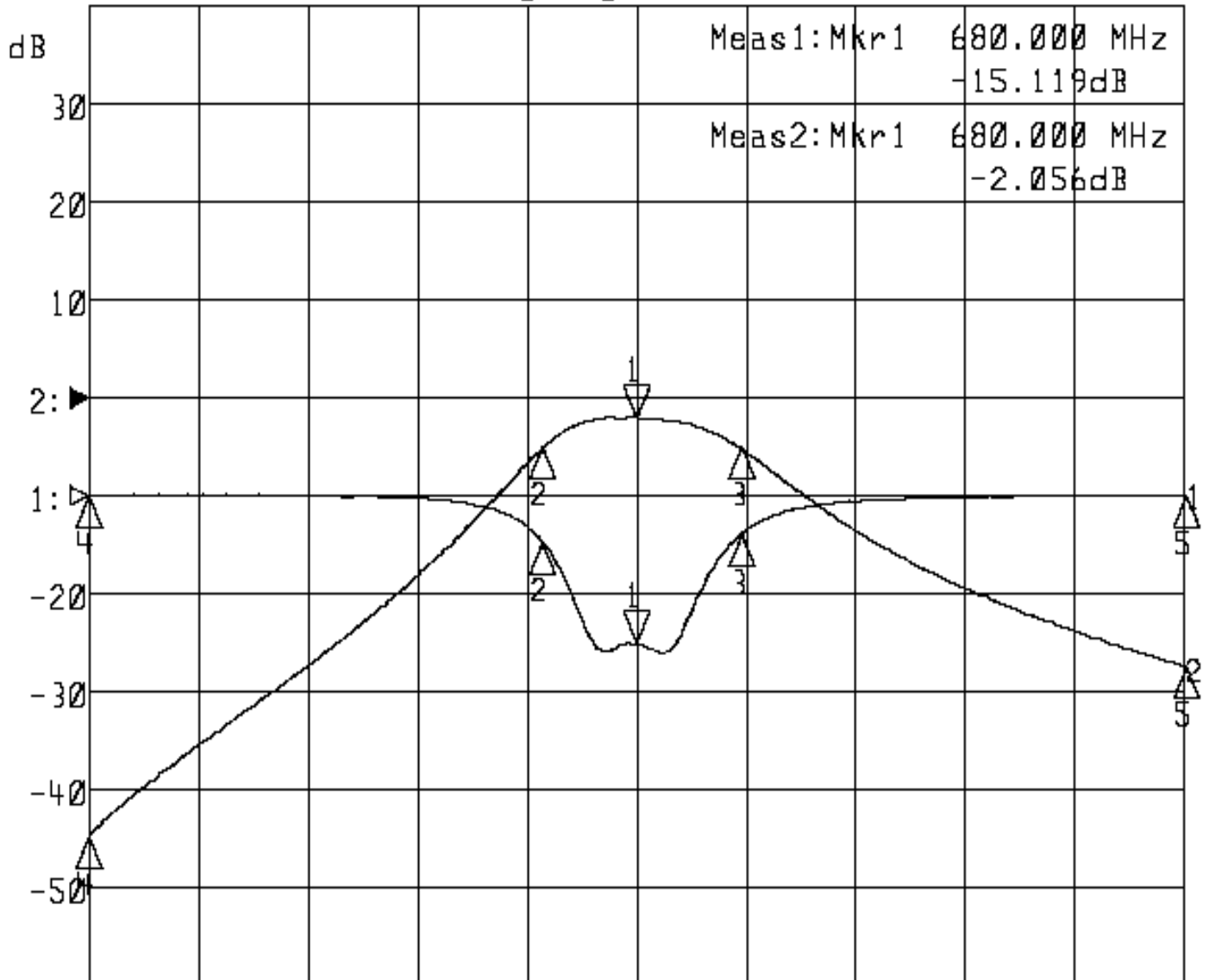
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*4.7) 5HW024RB3

TEMWELL CORPORATION

Performance-TDW2483B-680M

2011153DC

▶1:S11 Refl Port1 Log Mag 10.0 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 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 680.0000	-15.119	1> 680.0000	-2.056
2: 663.0000	-4.769	2: 663.0000	-5.079
3: 699.0667	-3.887	3: 699.0667	-5.090
4: 580.0000	0.028	4: 580.0000	-44.642
5: 780.0000	0.004	5: 780.0000	-27.533