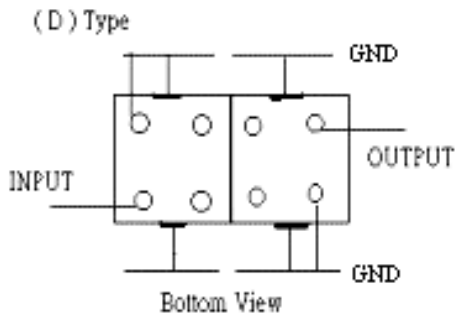
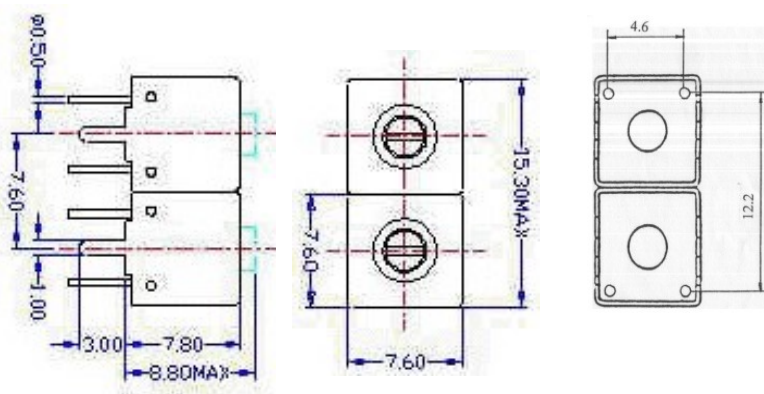


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2124D-680M
Approval No. /dated	20104045DC	Acceptable Specify Fo. Range	661~700MHz
Work Instruction No.	20104045DC	Date	2001.04.18

<p>(1) Pin Position</p>  <p style="text-align: center;">(D) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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(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. 2.0 dB	1.4 dB	
-3 dB Bandwidth	Typ. 21 MHz	28 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 16 dBc	19 dBc
	Fo + 50 MHz	Typ. 13 dBc	16 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	16.4 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

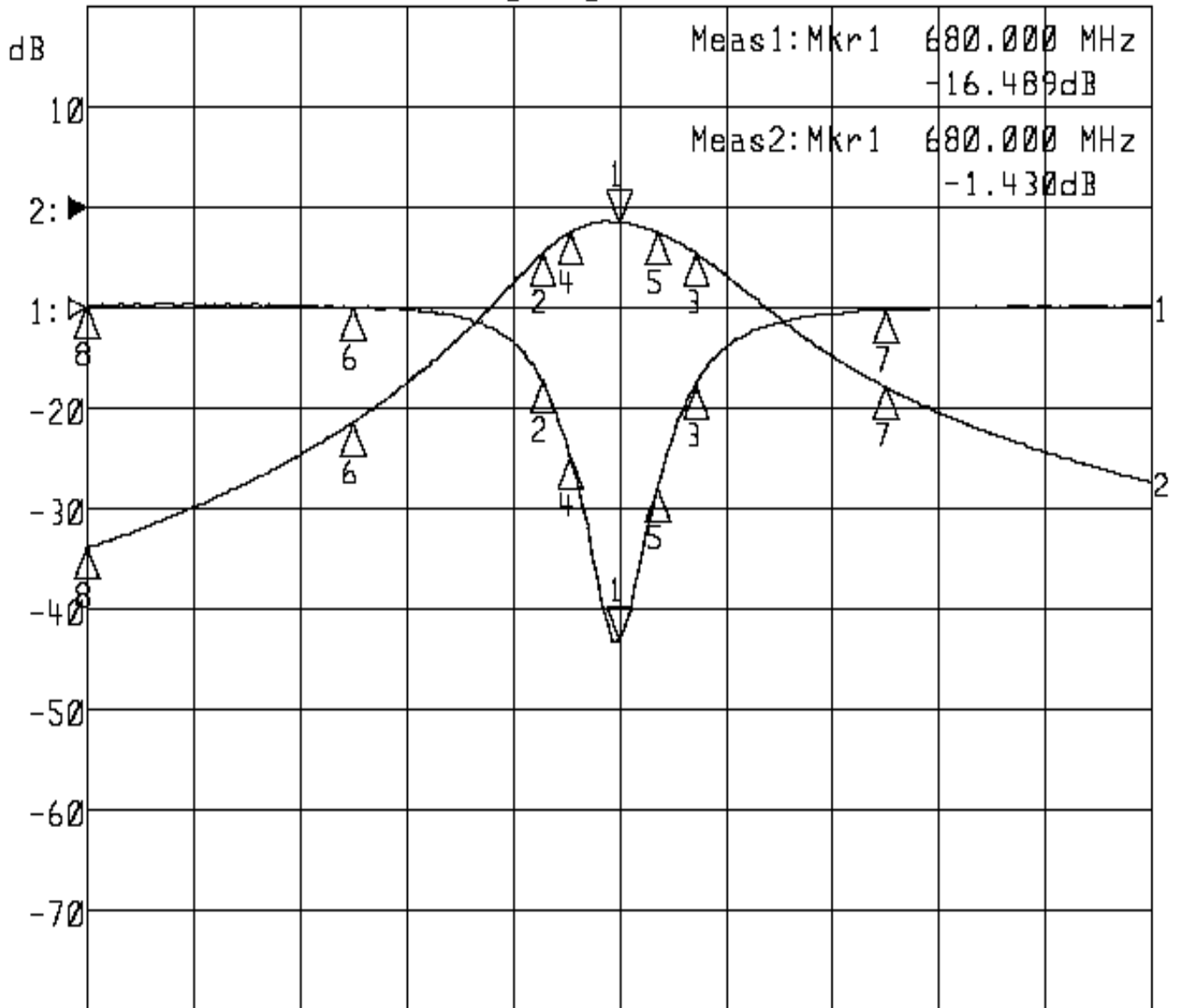
> 1Watt			
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

# Performance-TDS2124D-680M

## 20104045DC

▶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 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 680.0000	-16.489	1> 680.0000	-1.430
2: 665.6667	-3.659	2: 665.6667	-4.502
3: 694.2667	-3.835	3: 694.2667	-4.450
4: 670.8667	-7.394	4: 670.8667	-2.410
5: 687.1333	-9.026	5: 687.1333	-2.459
6: 630.0000	-0.019	6: 630.0000	-21.435
7: 730.0000	-0.114	7: 730.0000	-17.855
8: 580.0000	0.153	8: 580.0000	-33.863