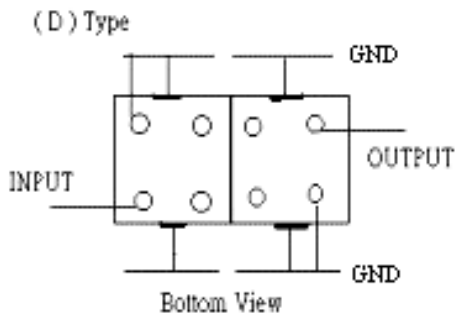
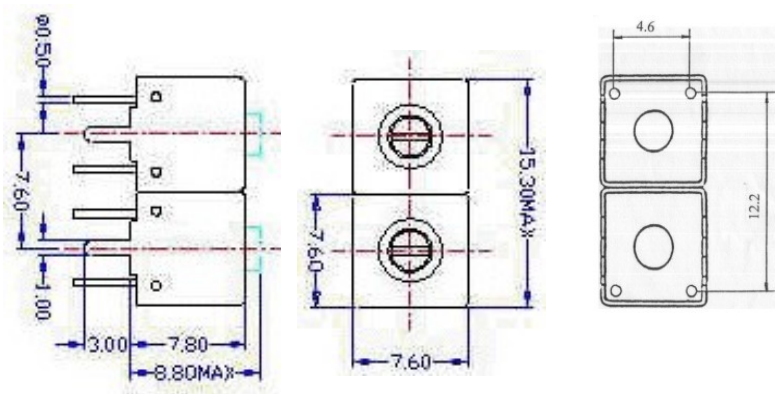


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2094D-580M
Approval No. /dated	20104039DC	Acceptable Specify Fo. Range	556~595MHz
Work Instruction No.	20104039DC	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 %	580 MHz	580 MHz	
Tunable Range	580±5 MHz	580±5 MHz	
Insertion Loss	Typ. 2.5 dB	1.5 dB	
-3 dB Bandwidth	Typ. 17 MHz	20 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 23 dBc	26 dBc
	Fo + 50 MHz	Typ. 20 dBc	23 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	36 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

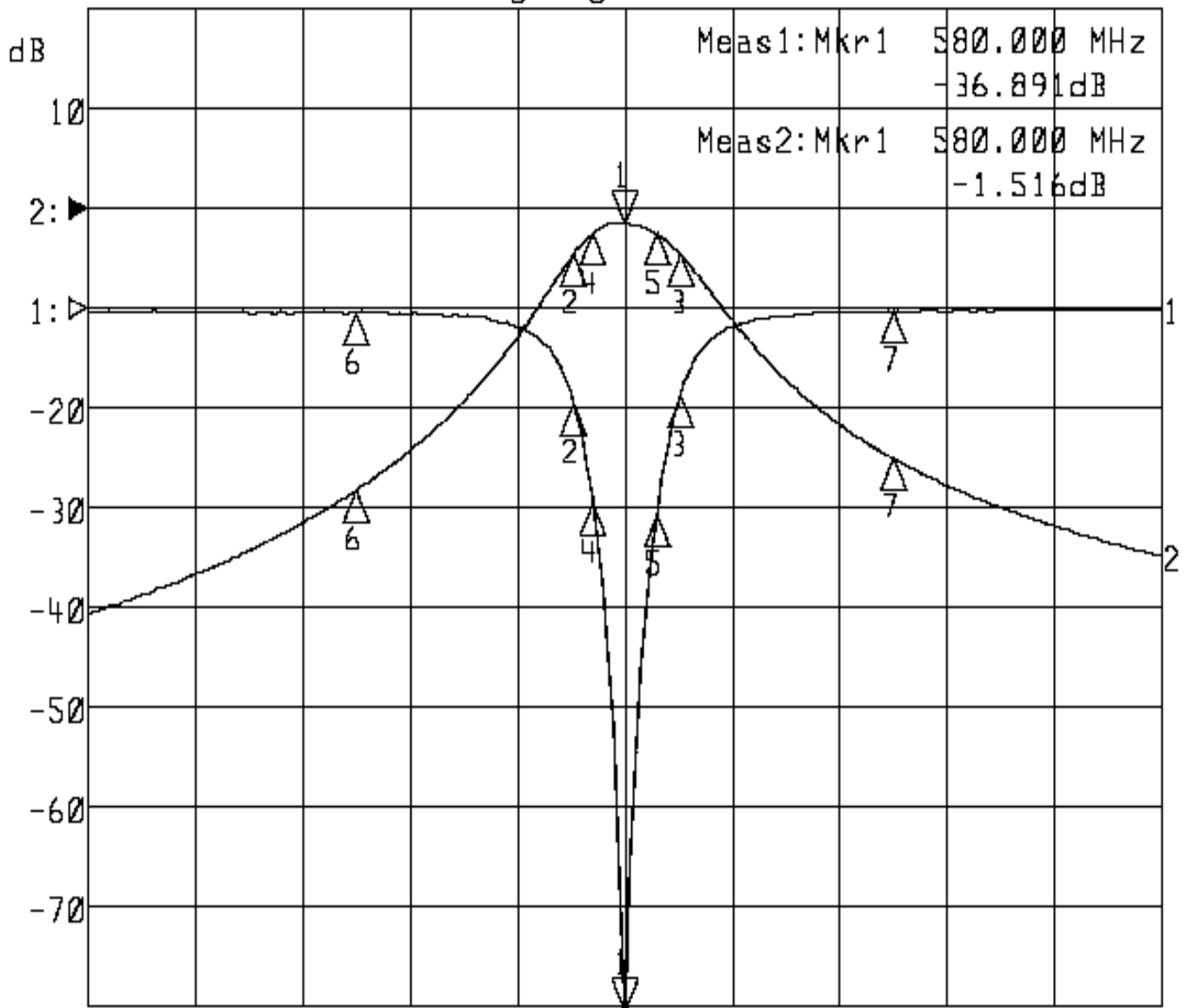
TEMWELL CORPORATION

Performance-TDS2094D-580M

20104039DC

▶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 580.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 580.0000	-36.891	1> 580.0000	-1.516
2: 570.5333	-4.709	2: 570.5333	-4.550
3: 590.3333	-4.351	3: 590.3333	-4.517
4: 574.1333	-9.713	4: 574.1333	-2.498
5: 585.9333	-10.426	5: 585.9333	-2.510
6: 530.0000	-0.268	6: 530.0000	-28.291
7: 630.0000	-0.173	7: 630.0000	-25.075