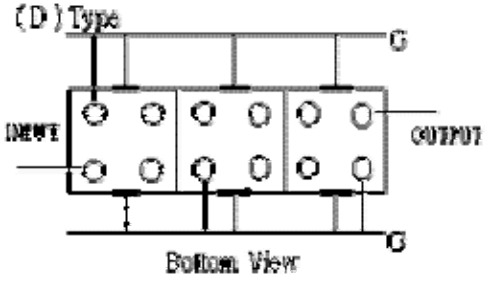
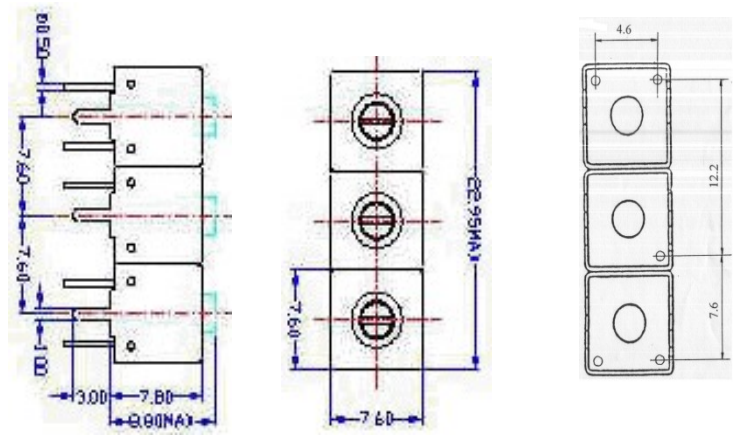


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3094D-580M
Approval No. /dated	20104040DC	Acceptable Specify Fo. Range	556~595MHz
Work Instruction No.	20104040DC	Date	2001.04.18

<p>(1) Pin Position</p>  <p style="text-align: center;">Bottom View</p>	<p>(2) Size Diagram</p> 
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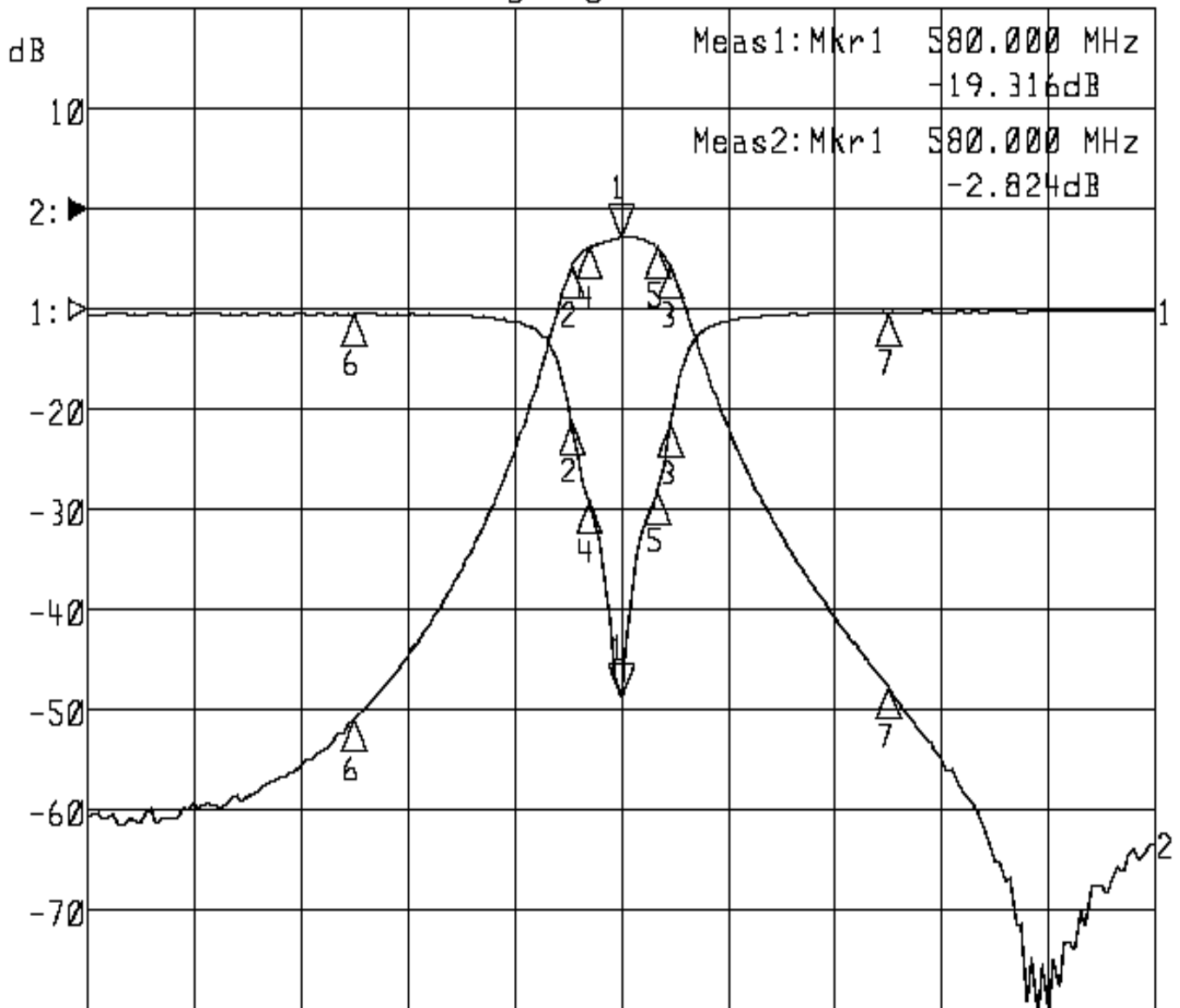
(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		580 MHz	580 MHz
Tunable Range		580±5 MHz	580±5 MHz
Insertion Loss		Typ. 3.5 dB	2.7 dB
-3 dB Bandwidth		Typ. 15 MHz	18 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 45 dBc	48 dBc
	Fo + 50 MHz	Typ. 40 dBc	43 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	19.3 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	7H3S(4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TTS3094D-580M

20104040DC

▶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	-19.316	1> 580.0000	-2.824
2: 570.7333	-5.656	2: 570.7333	-5.873
3: 589.2667	-5.707	3: 589.2667	-5.826
4: 573.9333	-9.590	4: 573.9333	-3.839
5: 586.7333	-9.164	5: 586.7333	-3.868
6: 530.0000	-0.304	6: 530.0000	-50.914
7: 630.0000	-0.193	7: 630.0000	-47.694