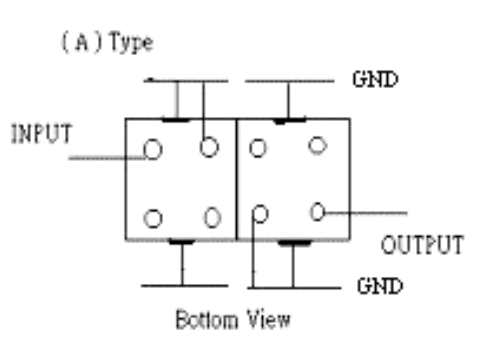
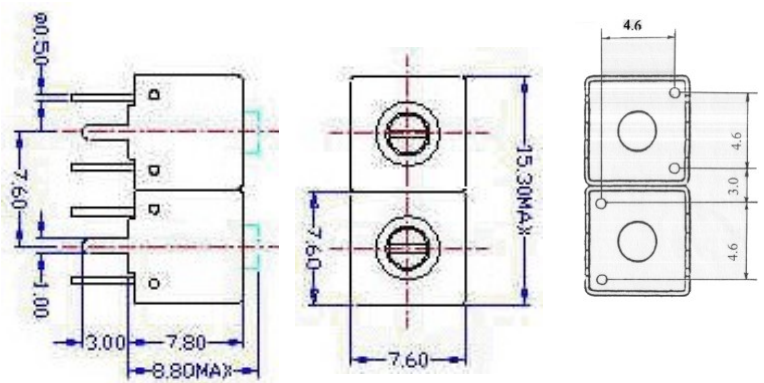


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2093A-580M
Approval No. /dated	20107007DC	Acceptable Specify Fo. Range	556~595MHz
Work Instruction No.	20107007DC	Date	2001.07.06

<p>(1) Pin Position</p>  <p>(A) 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. 3.5 dB	2.7 dB	
-3 dB Bandwidth	Typ. 14 MHz	17 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 26 dBc	29 dBc
	Fo + 50 MHz	Typ. 21 dBc	24 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	16 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

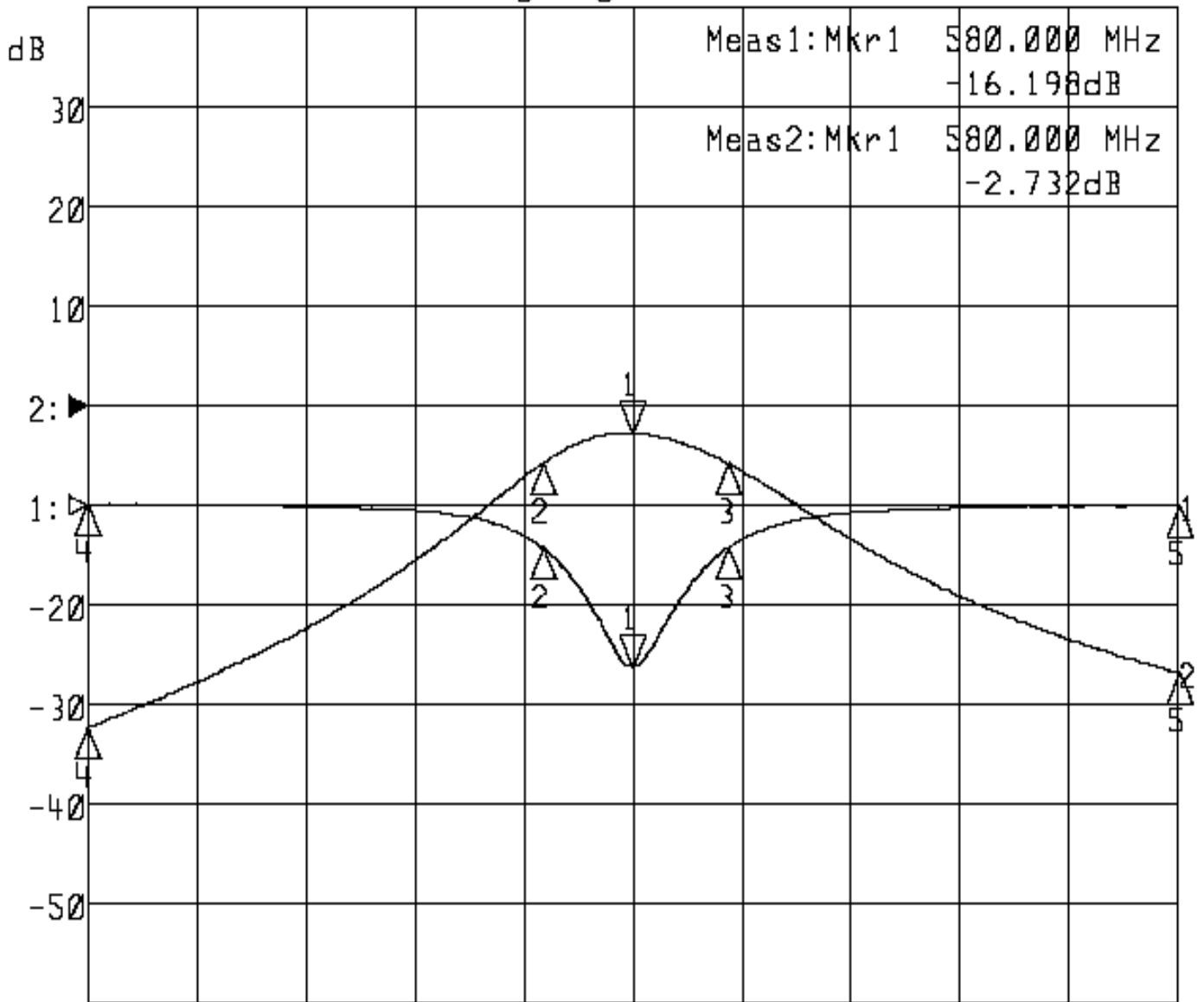
TEMWELL CORPORATION

Performance-TDS2093A-580M

20107007DC

▶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 580.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 580.0000	-16.198	1> 580.0000	-2.732
2: 571.8000	-4.303	2: 571.8000	-5.737
3: 588.8000	-4.215	3: 588.8000	-5.771
4: 530.0000	0.132	4: 530.0000	-32.224
5: 630.0000	-0.078	5: 630.0000	-26.803