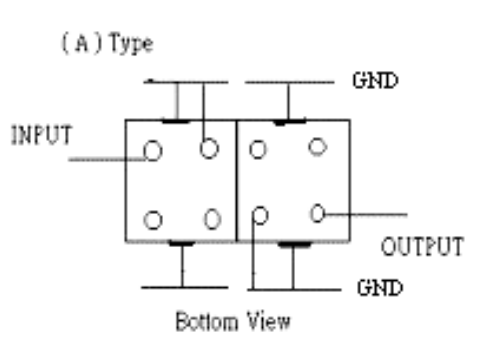
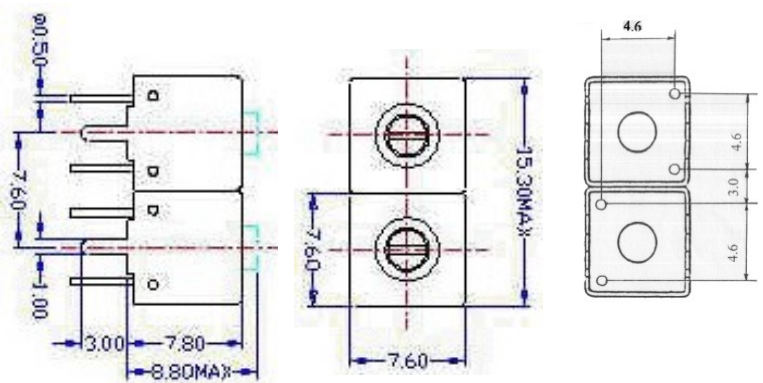


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2123A-680M
Approval No. /dated	20107009DC	Acceptable Specify Fo. Range	661~700MHz
Work Instruction No.	20107009DC	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 %	680 MHz	680 MHz	
Tunable Range	680±5 MHz	680±5 MHz	
Insertion Loss	Typ. 4.0 dB	3.3 dB	
-3 dB Bandwidth	Typ. 14 MHz	17 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 27 dBc	30 dBc
	Fo + 50 MHz	Typ. 22 dBc	25 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	20 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

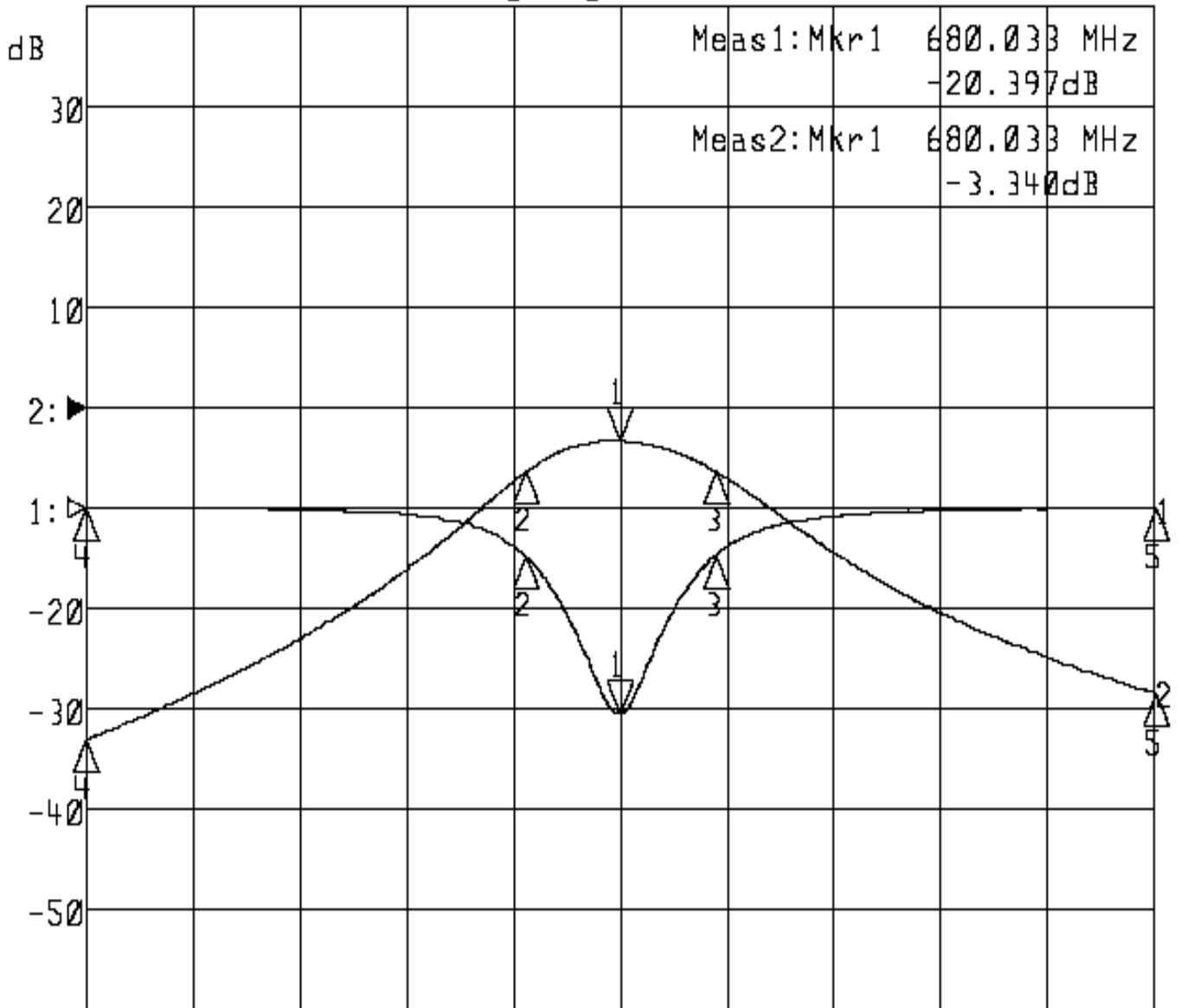
			> 1Watt
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TDS2123A-680M

20107009DC

▶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 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 680.0333	-20.397	1> 680.0333	-3.340
2: 671.2333	-4.866	2: 671.2333	-6.367
3: 688.9333	-4.723	3: 688.9333	-6.323
4: 630.0000	0.051	4: 630.0000	-33.040
5: 730.0000	-0.031	5: 730.0000	-28.382