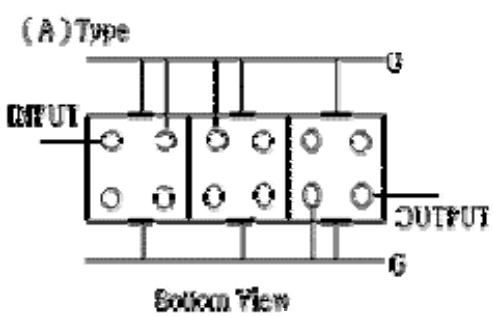
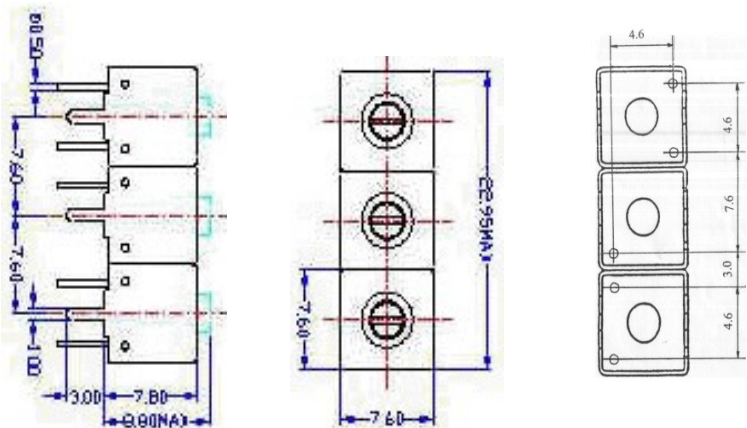


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3123A-680M
Approval No. /dated	20107010DC	Acceptable Specify Fo. Range	661~700MHz
Work Instruction No.	20107010DC	Date	2001.07.06

<p>(1) Pin Position</p>  <p style="text-align: center;">(A) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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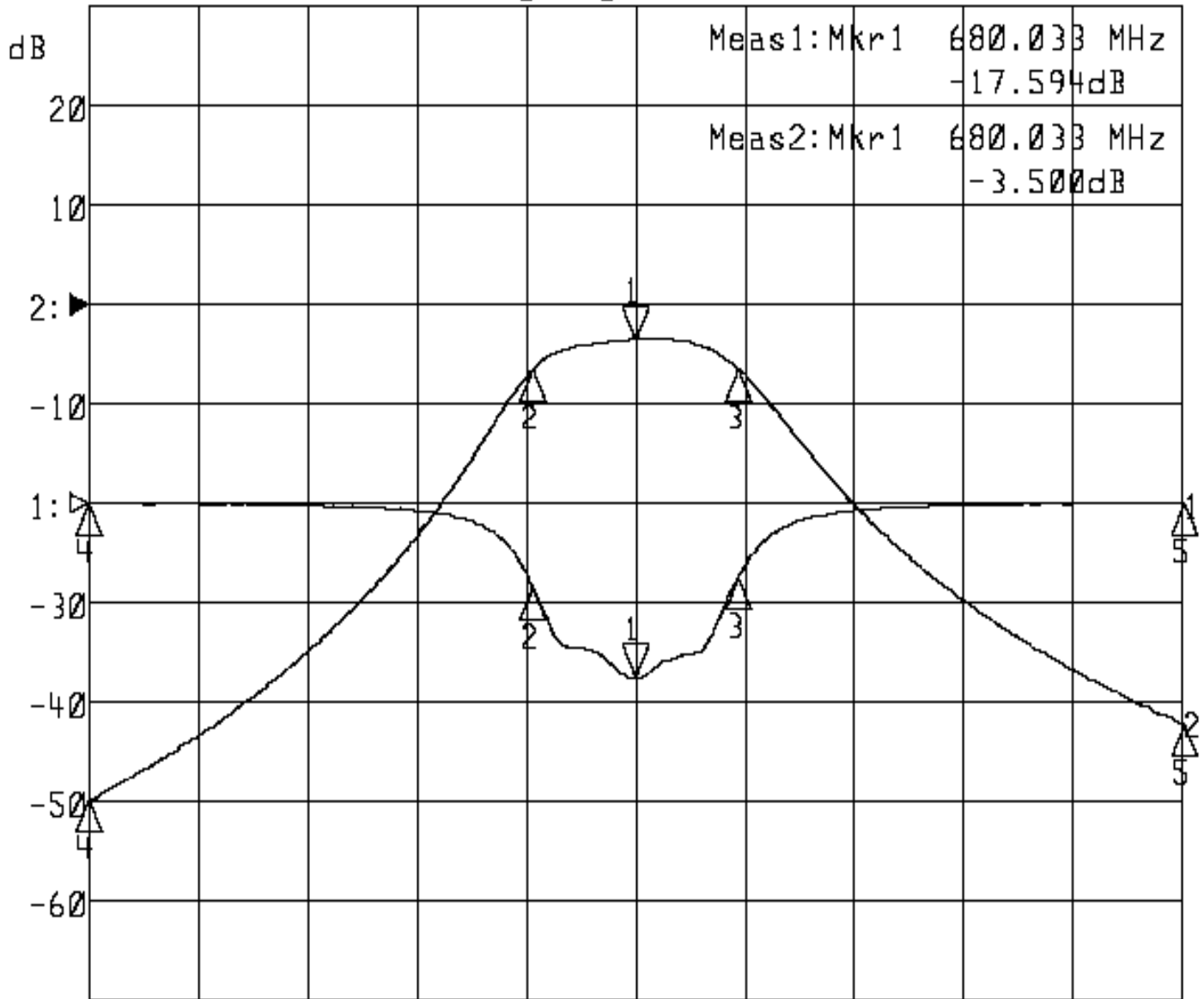
(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo ) +/- 0.5 %		680 MHz	680 MHz
Tunable Range		680±5 MHz	680±5 MHz
Insertion Loss		Typ. 4.5 dB	3.5 dB
-3 dB Bandwidth		Typ. 14 MHz	18 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 43 dBc	46 dBc
	Fo + 50 MHz	Typ. 35 dBc	38 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	17.5 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	7S3S(4*5.2) 7S046LB4

TEMWELL CORPORATION

# Performance- TTS3123A-680M

## 20107010DC

▷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	-17.594	1> 680.0333	-3.500
2: 670.7000	-8.502	2: 670.7000	-6.434
3: 689.3667	-7.527	3: 689.3667	-6.406
4: 630.0000	-0.024	4: 630.0000	-49.792
5: 730.0000	-0.047	5: 730.0000	-42.159