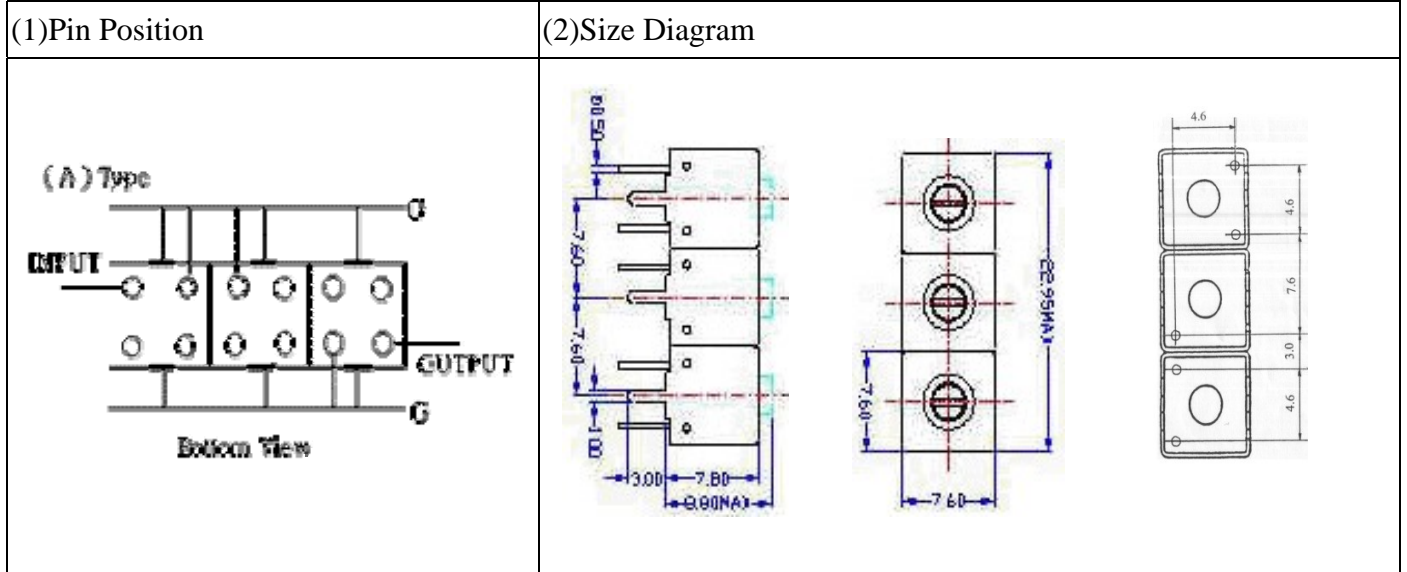


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3124A-680M
Approval No. /dated	20104046DC	Acceptable Specify Fo. Range	661~700MHz
Work Instruction No.	20104046DC	Date	2001.04.18



(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	2.9 dB	
-3 dB Bandwidth	Typ. 17 MHz	20 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 36 dBc	39 dBc
	Fo + 50 MHz	Typ. 24 dBc	27 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	16.0 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

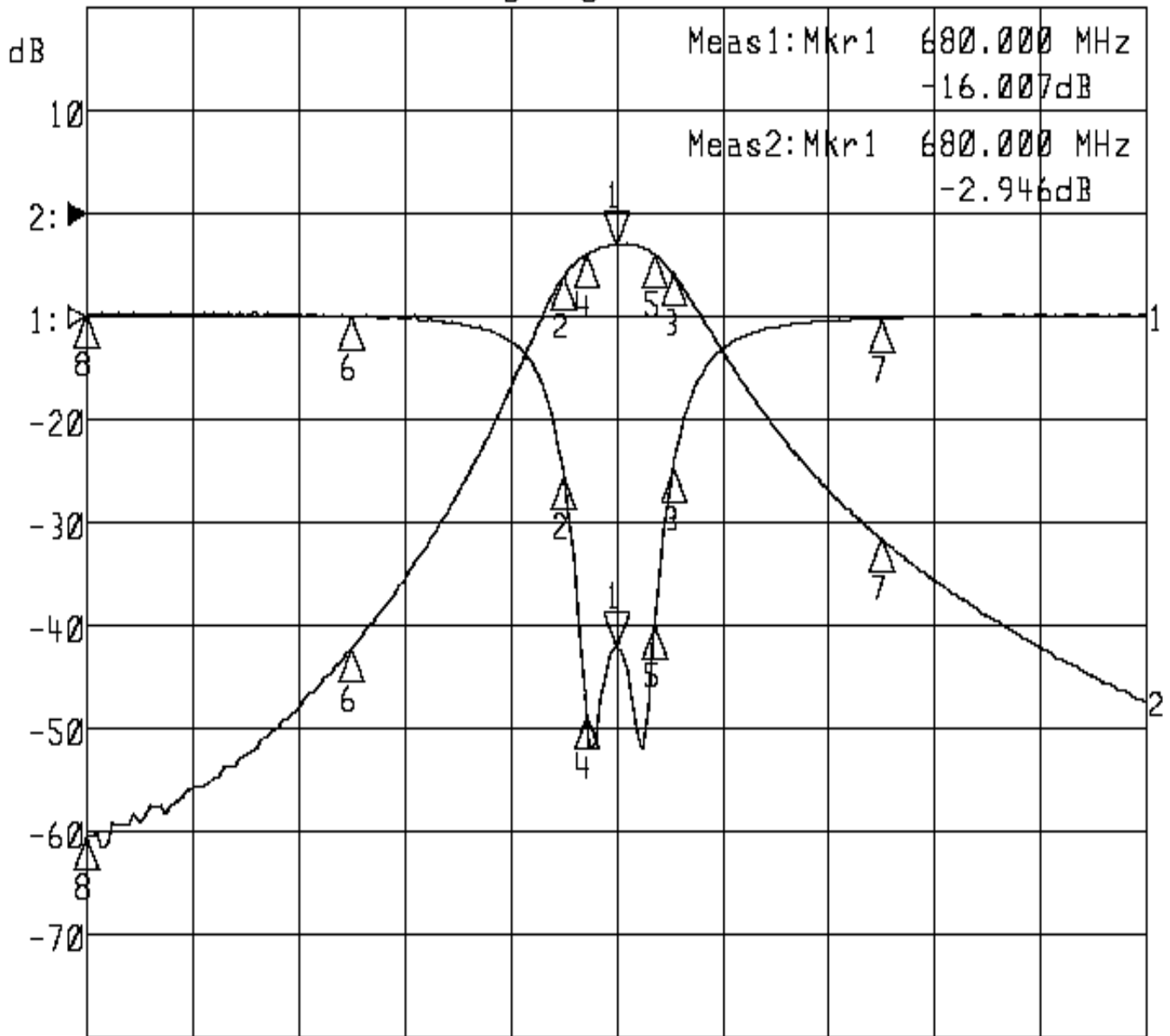
			> 1Watt
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S3S (4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TTS3124A-680M

20104046DC

▶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 680.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 680.0000	-16.007	1> 680.0000	-2.946
2: 670.1333	-7.748	2: 670.1333	-5.970
3: 690.6667	-7.371	3: 690.6667	-5.844
4: 674.4000	-19.320	4: 674.4000	-3.950
5: 687.2000	-15.024	5: 687.2000	-3.927
6: 630.0000	-0.034	6: 630.0000	-42.196
7: 730.0000	-0.096	7: 730.0000	-31.618
8: 580.0000	0.109	8: 580.0000	-60.484