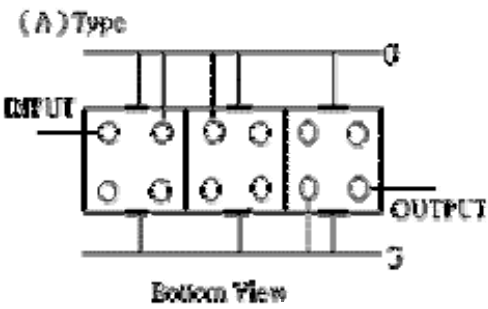
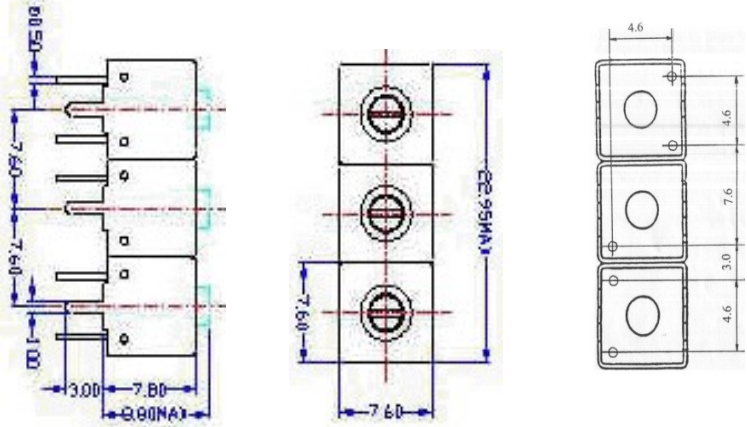


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3144A-800M
Approval No. /dated	20301013B	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	20301013B	Date	2003/1/14

(1)Pin Position	(2)Size Diagram
 <p>(A)Type Bottom View</p>	

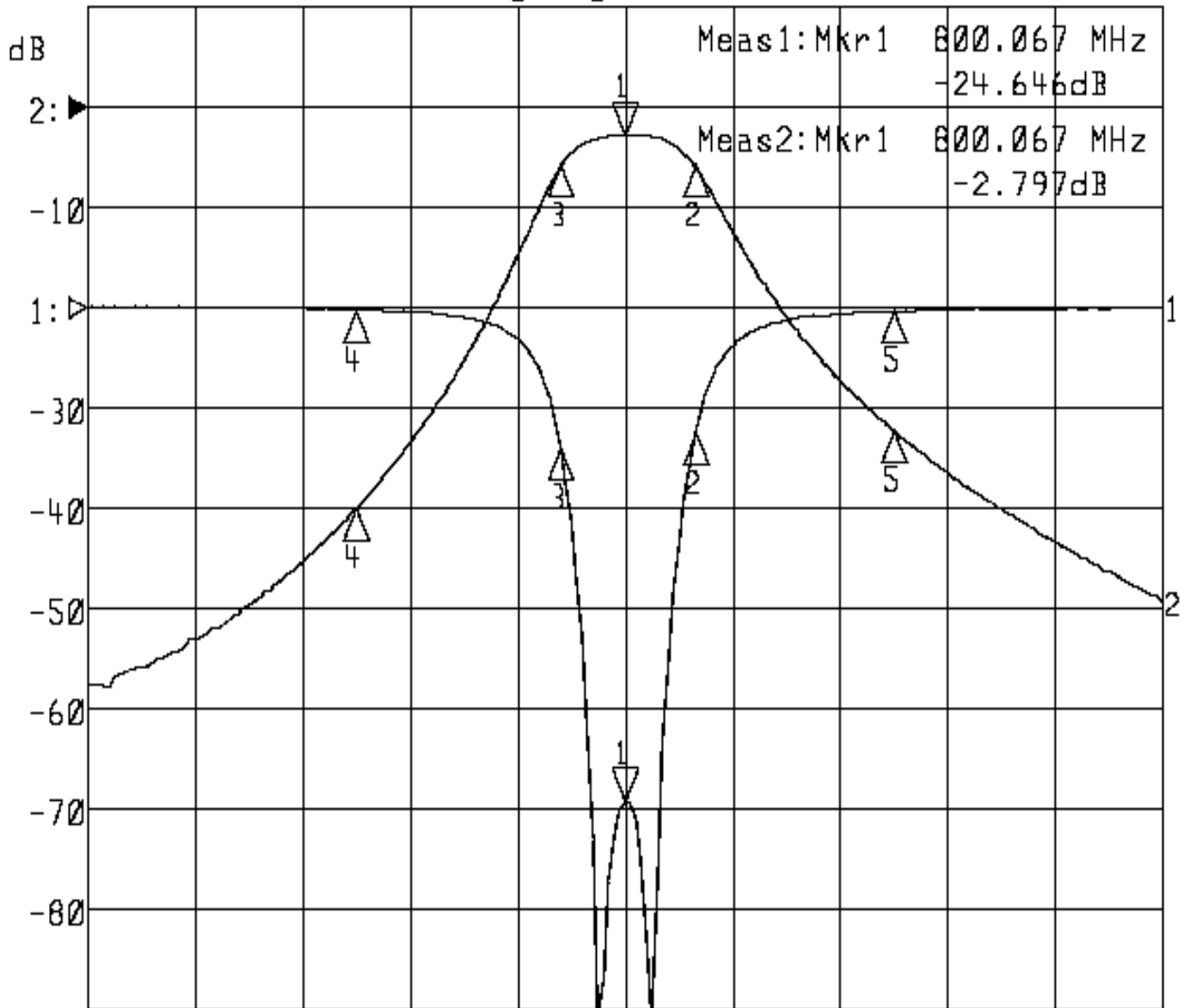
(3)Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		800 MHz	800 MHz
Tunable Range		800±10 MHz	800±10 MHz
Insertion Loss		Typ. 3.5 dB	2.7 dB
-3 dB Bandwidth		Typ. 21 MHz	25 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 35 dBc	38 dBc
	Fo + 50 MHz	Typ. 29 dBc	32 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	24.6 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	7S3(4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TTS3144A-800M

20301013B

▶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 800.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 800.0667	-24.646	1> 800.0667	-2.797
2: 813.0000	-6.291	2: 813.0000	-5.844
3: 788.0667	-6.988	3: 788.0667	-5.834
4: 750.0000	-0.126	4: 750.0000	-40.009
5: 850.0000	-0.162	5: 850.0000	-32.261