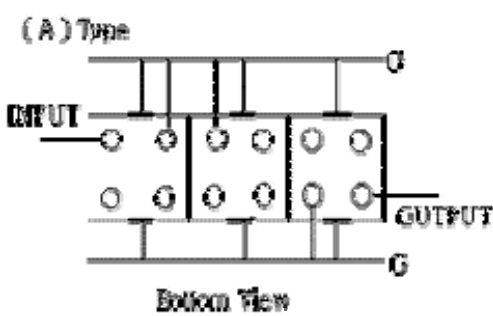
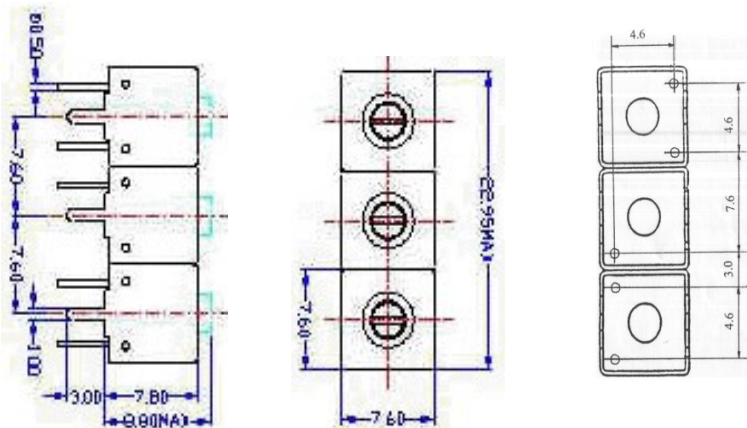


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3146A-800M
Approval No. /dated	20301014B	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	20303050B	Date	2003/03/18

<p>(1) Pin Position</p>  <p>(A) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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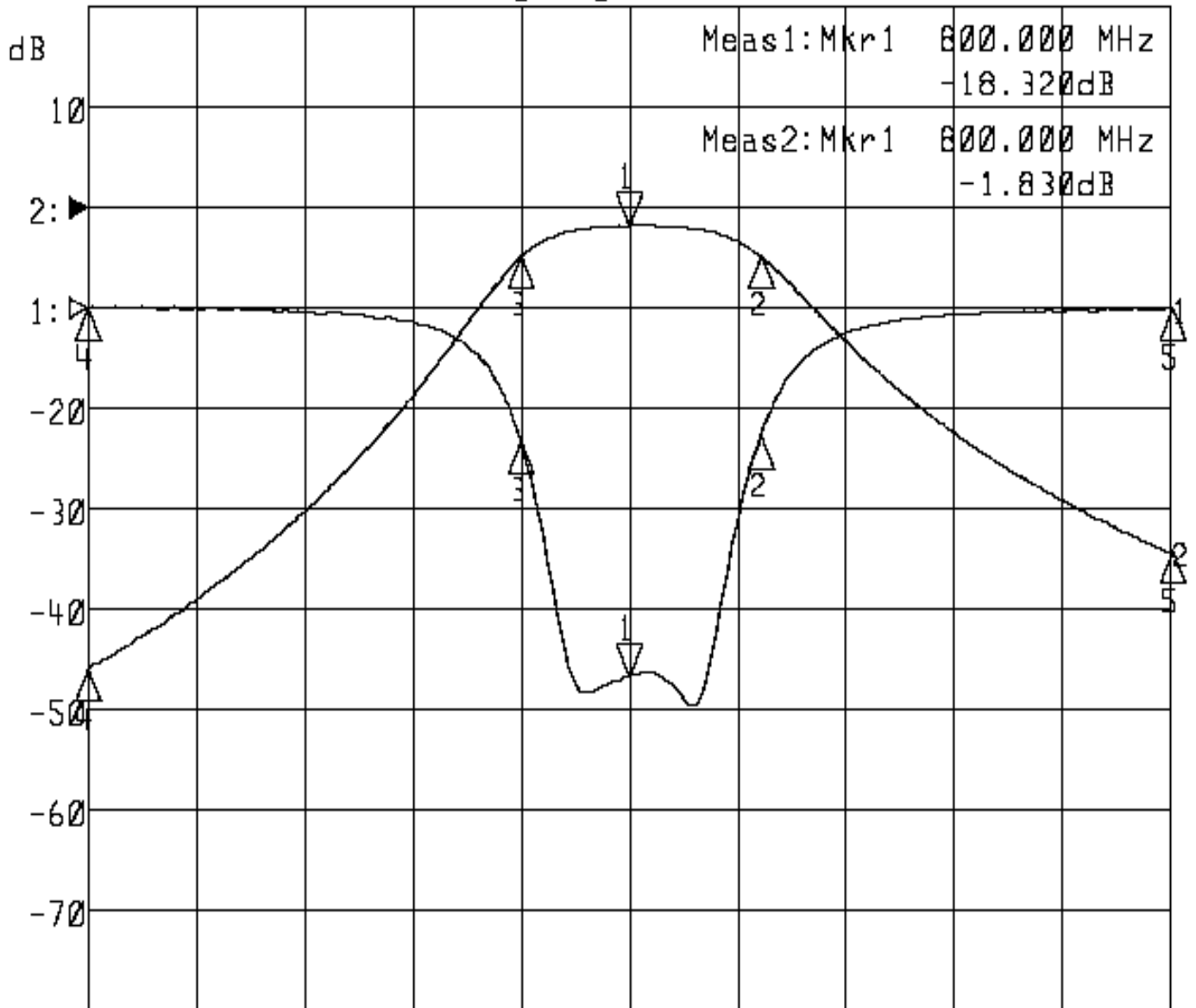
(3) Electric Character			
	Item	Specify	Performance
	Center Freq.(Fo) +/- 0.5 %	800 MHz	800 MHz
	Tunable Range	800±10 MHz	800±10 MHz
	Insertion Loss	Typ. 2.5 dB	1.8 dB
	-3 dB Bandwidth	Typ. 40 MHz	44 MHz
	Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 41 dBc
		Fo + 100 MHz	Typ. 30 dBc
		Fo - ( )MHz	Typ. dBc
		Fo +( )MHz	Typ. dBc
	Return Loss	Min. 12 dB	18.3 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*4.5) 7S046LB6

TEMWELL CORPORATION

# Performance- TTS3146A-800M

## 20303050B

►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> 800.0000	-18.320	1> 800.0000	-1.830
2: 824.2000	-6.390	2: 824.2000	-4.806
3: 780.0667	-6.633	3: 780.0667	-4.838
4: 700.0000	0.041	4: 700.0000	-45.890
5: 900.0000	-0.016	5: 900.0000	-34.331