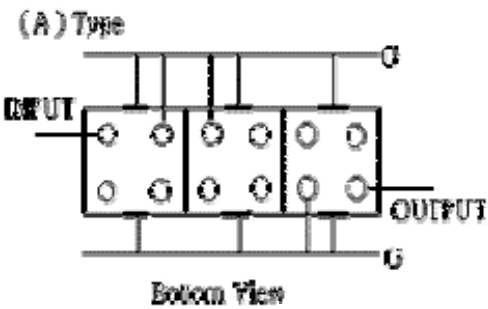
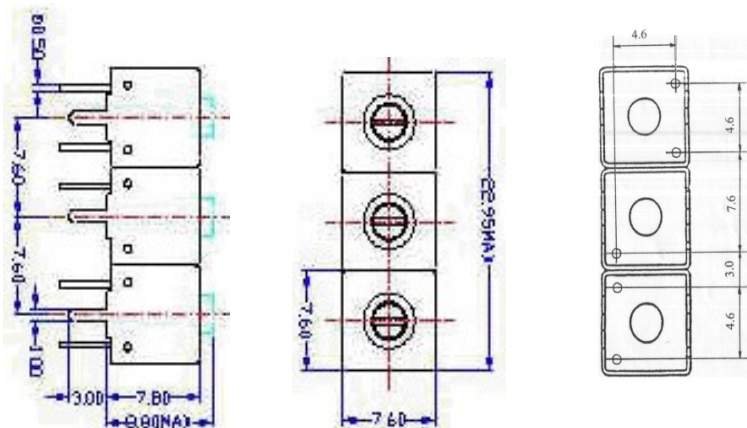


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS-3141A-780M
Approval No. /dated	20106014B	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	20106014B	Date	2001.06.08

<p>(1) Pin Position</p>  <p>(A) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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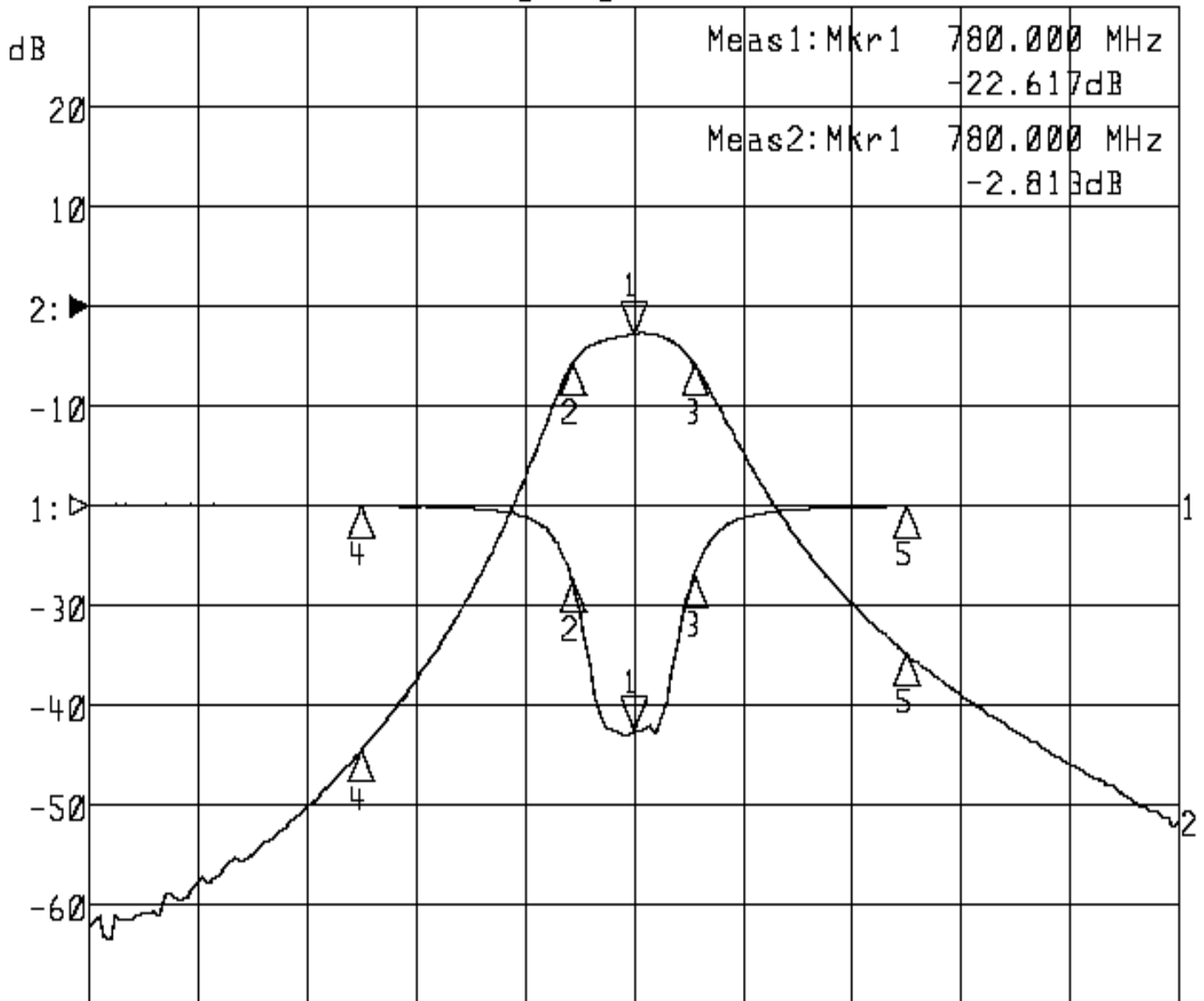
(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo ) +/- 0.5 %		780 MHz	780 MHz
Tunable Range		780±5 MHz	780±5 MHz
Insertion Loss		Typ. 3.5 dB	2.8 dB
-3 dB Bandwidth		Typ. 15 MHz	23 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 39 dBc	42 dBc
	Fo + 50 MHz	Typ. 29 dBc	32 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	22.6 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	7S3S(4*5.2) 7S046LB4

TEMWELL CORPORATION

# Performance-TTS-3141A-780M

## 20106014B

▶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 780.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 780.0000	-22.617	1> 780.0000	-2.813
2: 768.6667	-7.460	2: 768.6667	-5.788
3: 791.0667	-6.896	3: 791.0667	-5.744
4: 730.0000	-0.050	4: 730.0000	-44.577
5: 830.0000	-0.093	5: 830.0000	-34.849