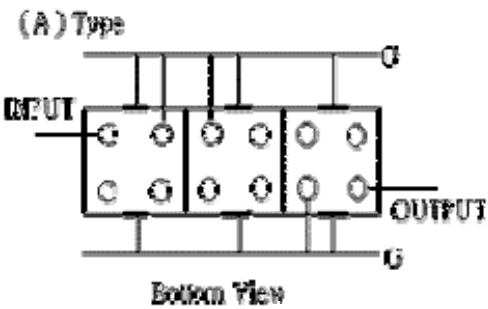
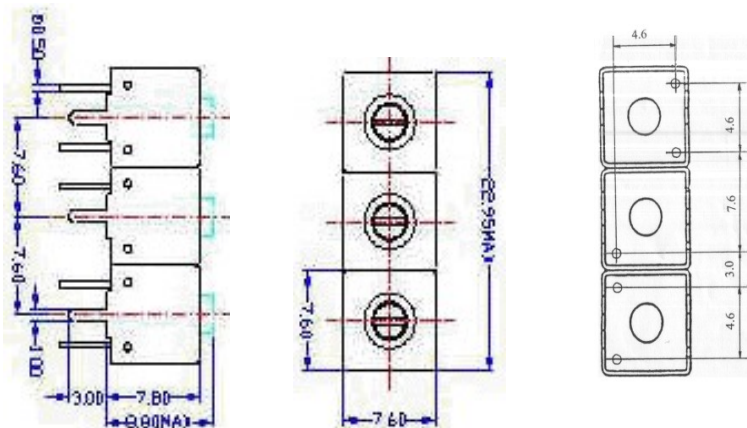


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3151A-815M
Approval No. /dated	20110022DC	Acceptable Specify Fo. Range	801~830MHz
Work Instruction No.	20110022DC	Date	2001.10.15

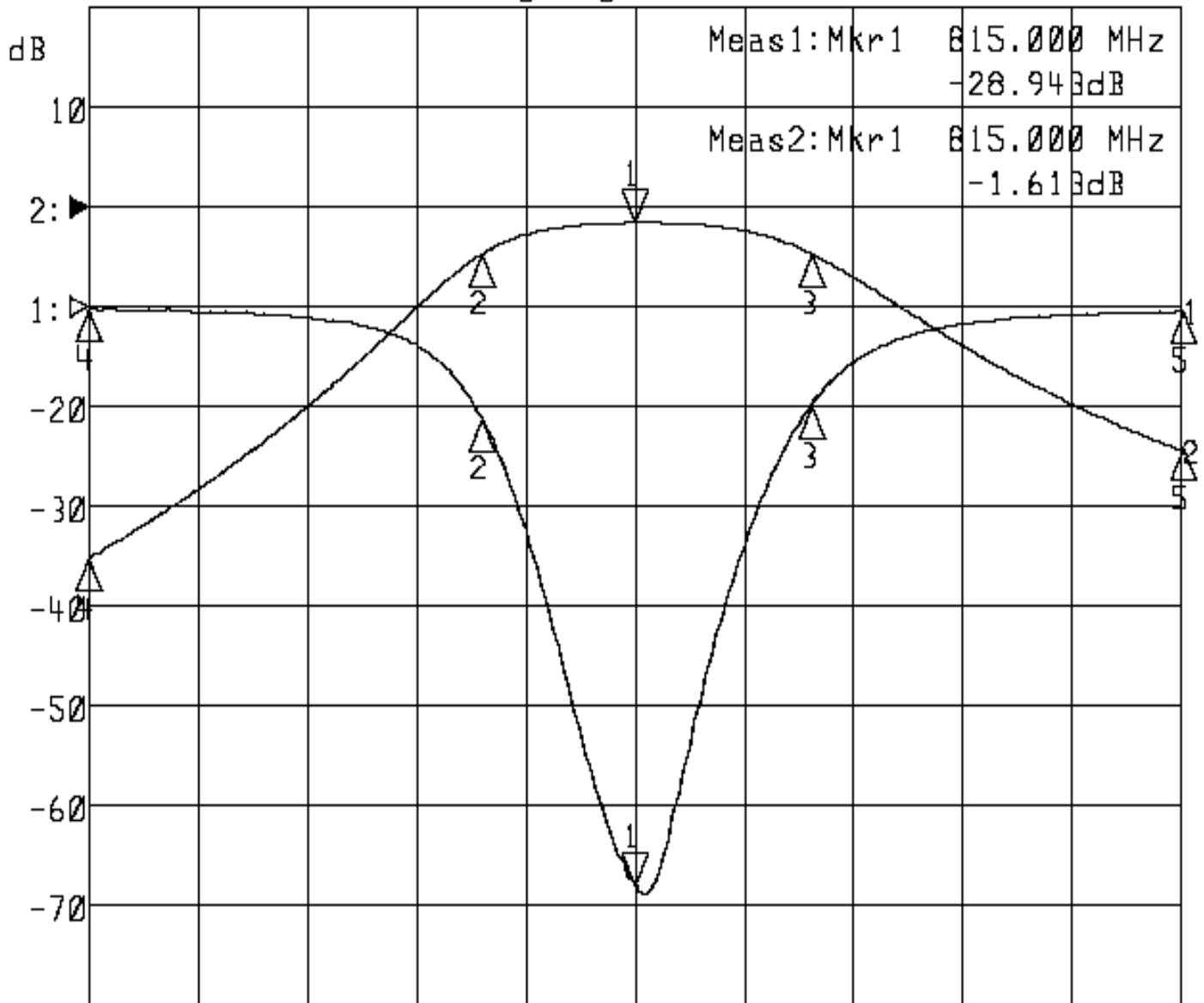
<p>(1) Pin Position</p>  <p>(A) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo ) +/- 0.5 %		815 MHz	815 MHz
Tunable Range		815±10 MHz	815±10 MHz
Insertion Loss		Typ. 2.5 dB	1.6 dB
-3 dB Bandwidth		Typ. 56 MHz	60 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 29 dBc	32 dBc
	Fo + 100 MHz	Typ. 19 dBc	22 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	28.9 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) 7S046LB6
TEMWELL CORPORATION			

# Performance-TTS3151A-815M

## 20110022DC

▶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 815.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 815.0000	-28.943	1> 815.0000	-1.613
2: 787.0667	-5.602	2: 787.0667	-4.689
3: 847.2000	-4.984	3: 847.2000	-4.626
4: 715.0000	-0.093	4: 715.0000	-35.202
5: 915.0000	-0.237	5: 915.0000	-24.372