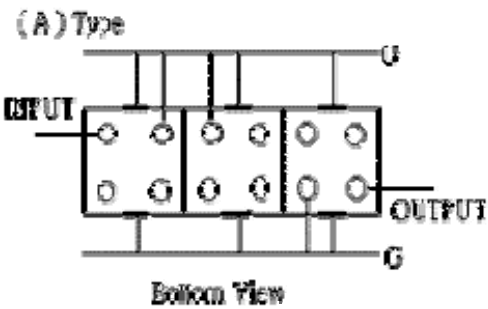
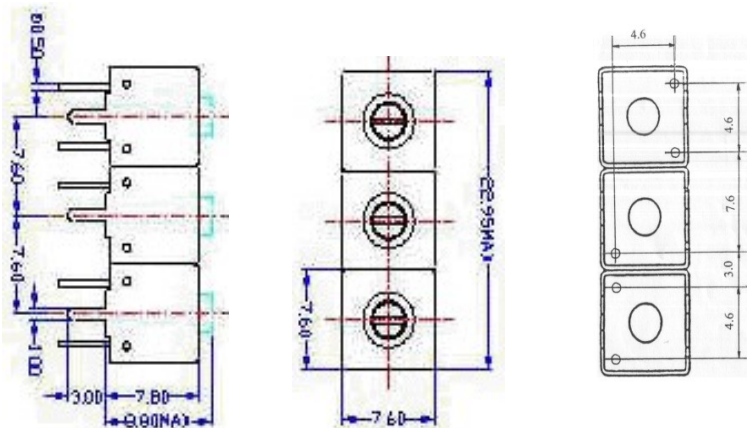


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3221A-987M
Approval No. /dated	20110036DC	Acceptable Specify Fo. Range	976~1000MHz
Work Instruction No.	20110036DC	Date	2001.10.19

<p>(1) Pin Position</p> 	<p>(2) Size Diagram</p> 
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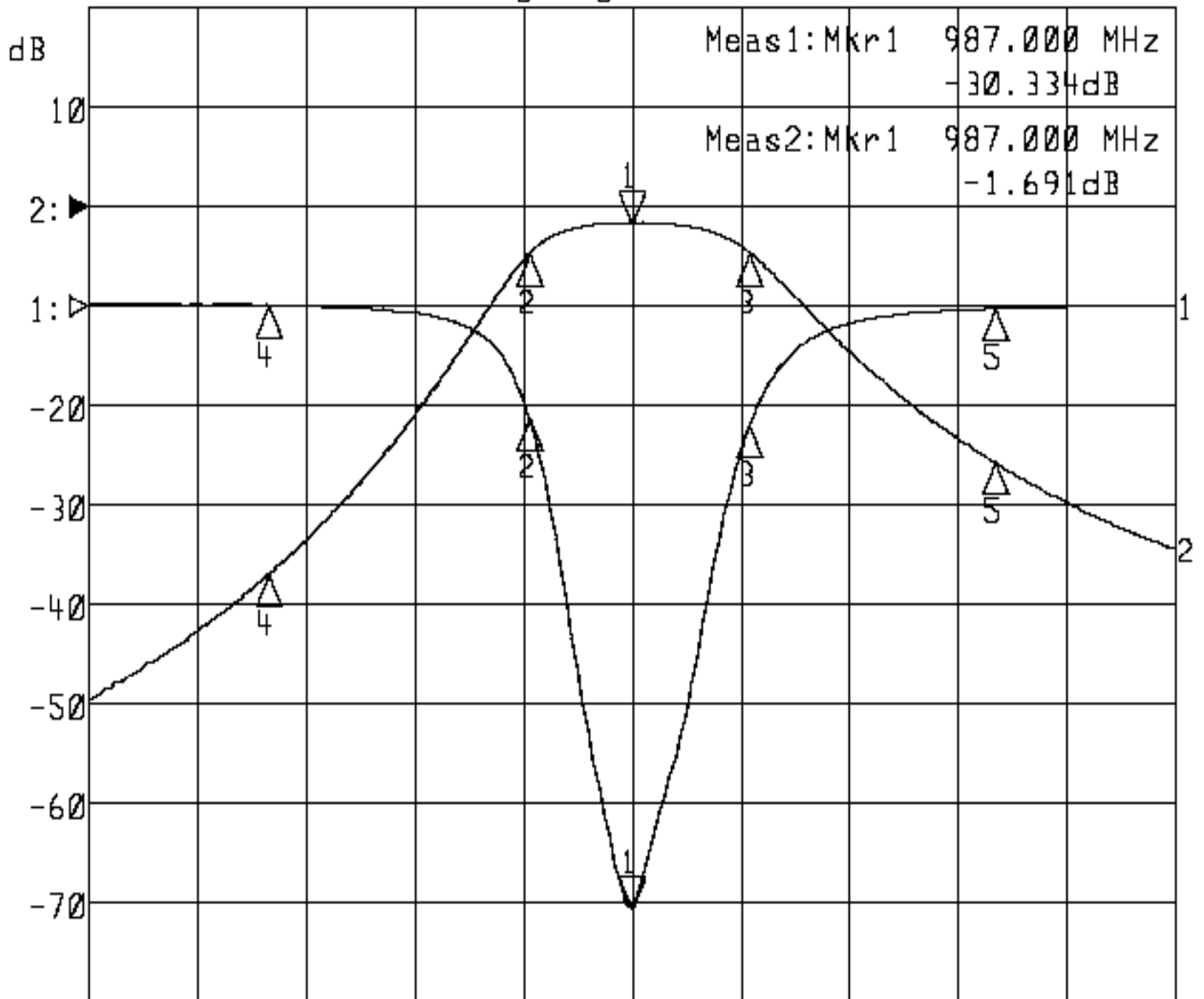
(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo ) +/- 0.5 %		987 MHz	987 MHz
Tunable Range		987 ±10 MHz	987 ±10 MHz
Insertion Loss		Typ. 2.5 dB	1.6 dB
-3 dB Bandwidth		Typ. 56 MHz	61 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 33 dBc	36 dBc
	Fo +100 MHz	Typ. 21 dBc	24 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	30.3 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		> 1 Watt	
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S3S(4*5.2 ) 7S046LB6

TEMWELL CORPORATION

# Performance-TTS3221A-987M

## 20110036DC

▶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 987.000 MHz

Span 300.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 987.0000	-30.334	1> 987.0000	-1.691
2: 958.8000	-5.647	2: 958.8000	-4.668
3: 1019.6000	-5.944	3: 1019.6000	-4.651
4: 887.0000	0.054	4: 887.0000	-36.922
5: 1087.0000	-0.149	5: 1087.0000	-25.721