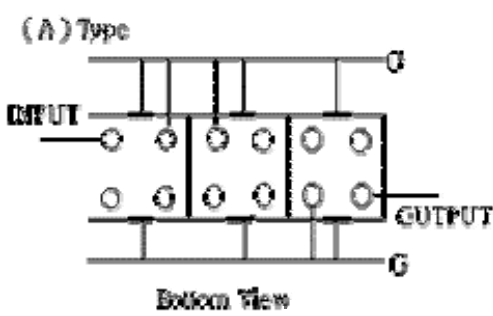
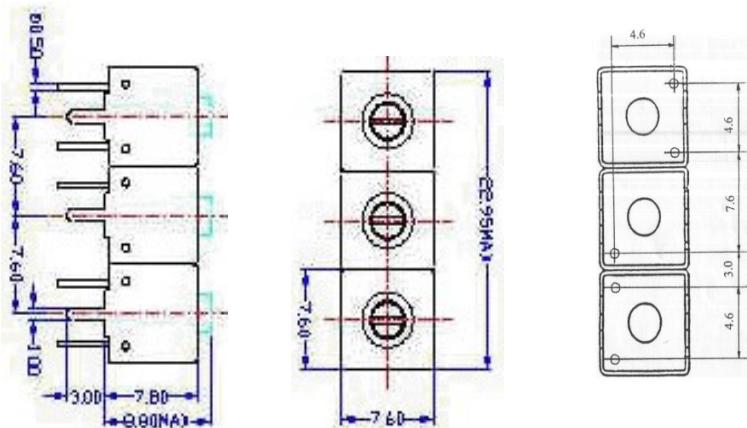


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3191A-915M
Approval No. /dated	20110030DC	Acceptable Specify Fo. Range	901~930MHz
Work Instruction No.	20110030DC	Date	2001.10.17

<p>(1) Pin Position</p>  <p style="text-align: center;">(A) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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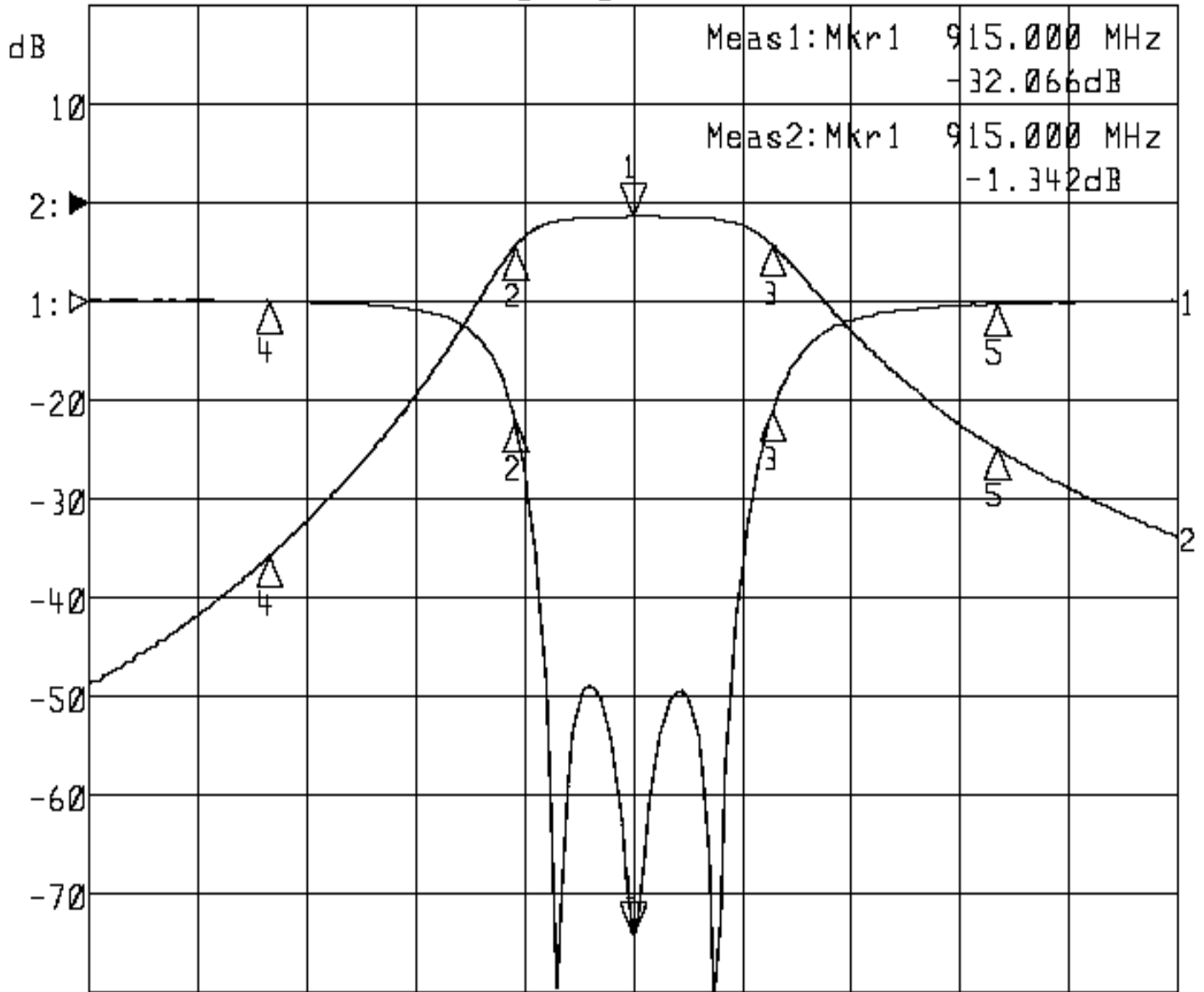
(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		915 MHz	915 MHz
Tunable Range		915 ±10 MHz	915 ±10 MHz
Insertion Loss		Typ. 2.0 dB	1.3 dB
-3 dB Bandwidth		Typ. 66 MHz	71 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 31 dBc	34 dBc
	Fo + 100 MHz	Typ. 20 dBc	23 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	32 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	7H3S(4*5.2 ) 7S046LB6

TEMWELL CORPORATION

# Performance-TTS3191A-915M

## 20110030DC

▶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 915.000 MHz

Span 300.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 915.0000	-32.066	1> 915.0000	-1.342
2: 882.4000	-5.958	2: 882.4000	-4.384
3: 953.5000	-5.496	3: 953.5000	-4.302
4: 815.0000	0.024	4: 815.0000	-35.739
5: 1015.0000	-0.136	5: 1015.0000	-24.839