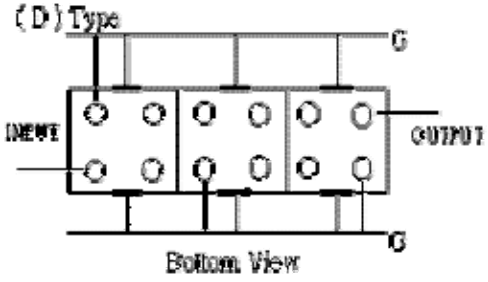
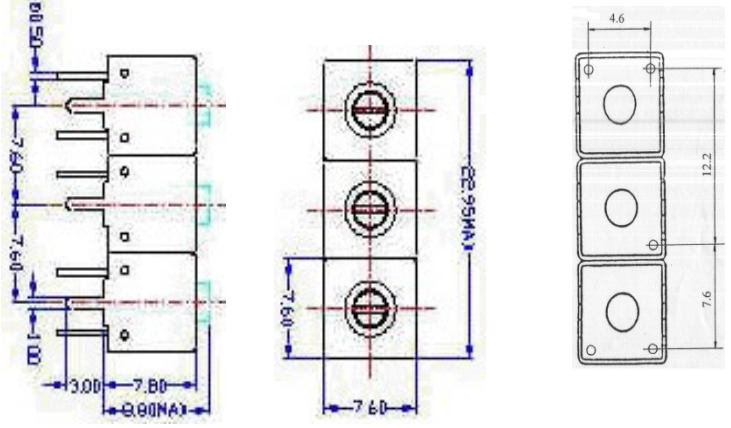


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3104D-614M
Approval No. /dated	20104042DC	Acceptable Specify Fo. Range	596~640MHz
Work Instruction No.	20104042DC	Date	2001.04.18

<p>(1) Pin Position</p>  <p style="text-align: center;">Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		614 MHz	614 MHz
Tunable Range		614±5 MHz	614±5 MHz
Insertion Loss		Typ. 3.5 dB	2.7 dB
-3 dB Bandwidth		Typ. 14 MHz	17 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 39 dBc	42 dBc
	Fo + 50 MHz	Typ. 33 dBc	36 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	22.2 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

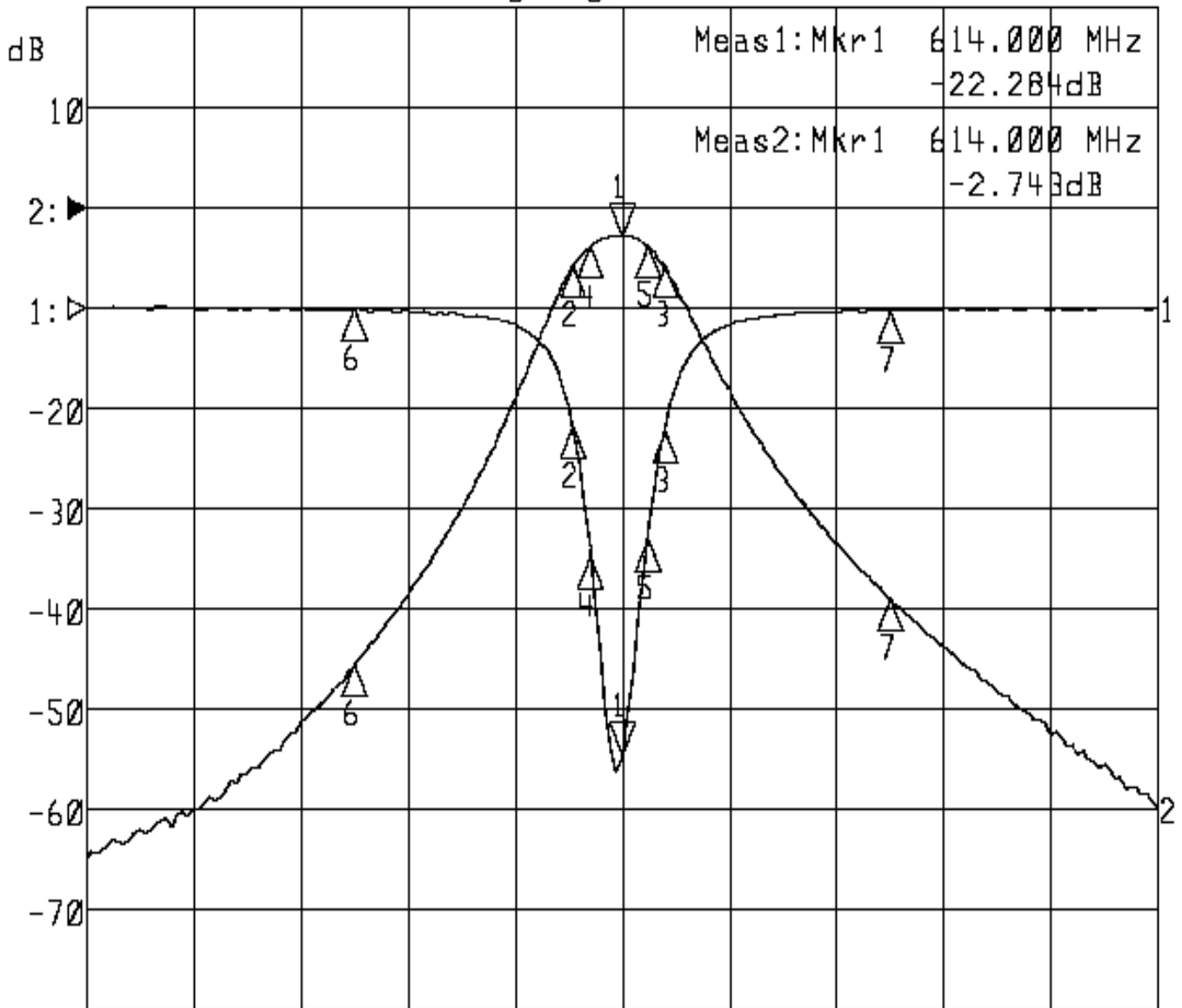
TEMWELL CORPORATION

# Performance-TTS3104D-614M

## 20104042DC

▶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 614.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 614.0000	-22.284	1> 614.0000	-2.743
2: 604.8000	-5.821	2: 604.8000	-5.799
3: 621.8000	-6.138	3: 621.8000	-5.709
4: 608.2000	-12.400	4: 608.2000	-3.784
5: 618.7333	-11.454	5: 618.7333	-3.731
6: 564.0000	-0.054	6: 564.0000	-45.589
7: 664.0000	-0.142	7: 664.0000	-38.960