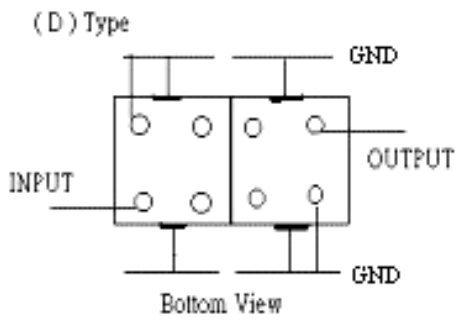
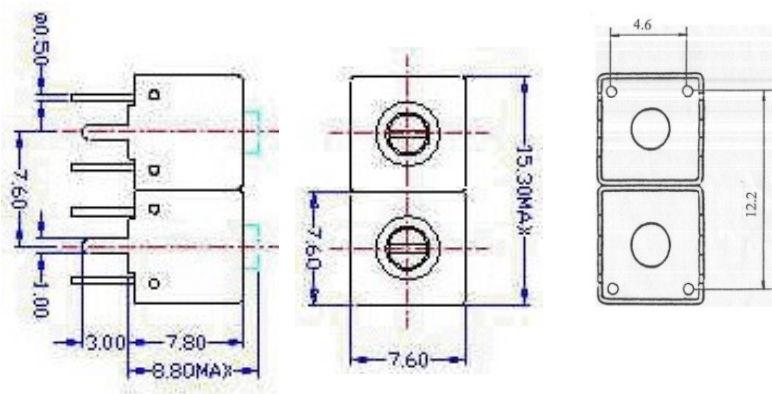


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2104D-614M
Approval No. /dated	20104041DC	Acceptable Specify Fo. Range	596~640MHz
Work Instruction No.	20104041DC	Date	2001.04.18

<p>(1) Pin Position</p>  <p style="text-align: center;">(D) Type 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. 3.0 dB	2.1 dB
-3 dB Bandwidth	Typ. 20 MHz	24 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 20 dBc
	Fo + 50 MHz	Typ. 17 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	20 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

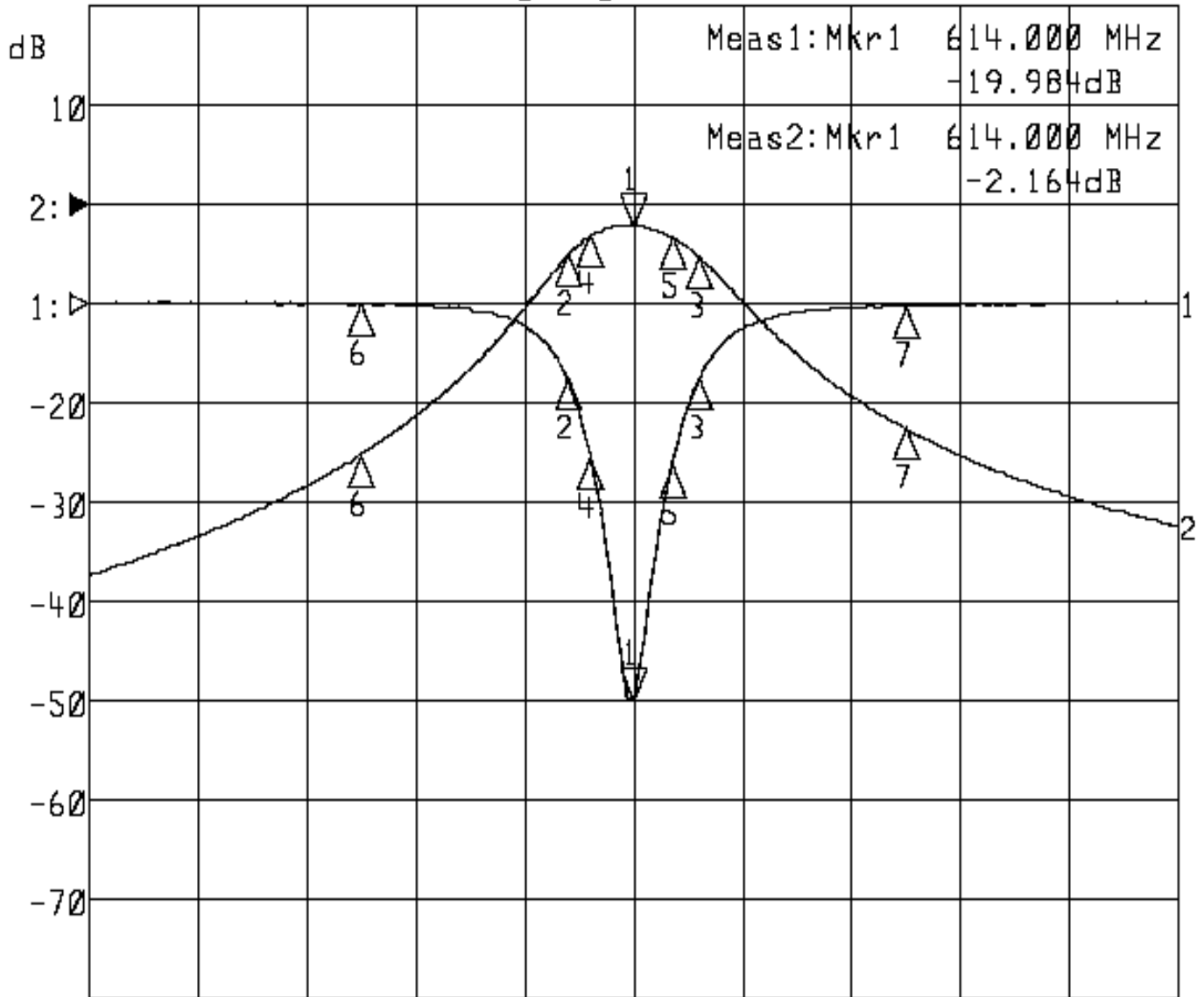
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S024RB6

TEMWELL CORPORATION

Performance-TDS2104D-614M

20104041DC

▶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	-19.984	1> 614.0000	-2.164
2: 601.9333	-3.797	2: 601.9333	-5.123
3: 626.1333	-3.705	3: 626.1333	-5.333
4: 606.2000	-7.803	4: 606.2000	-3.093
5: 621.0000	-8.183	5: 621.0000	-3.287
6: 564.0000	0.022	6: 564.0000	-25.131
7: 664.0000	-0.122	7: 664.0000	-22.614