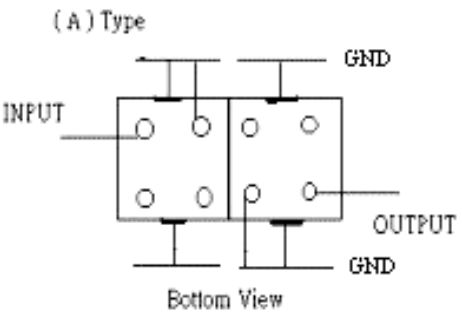
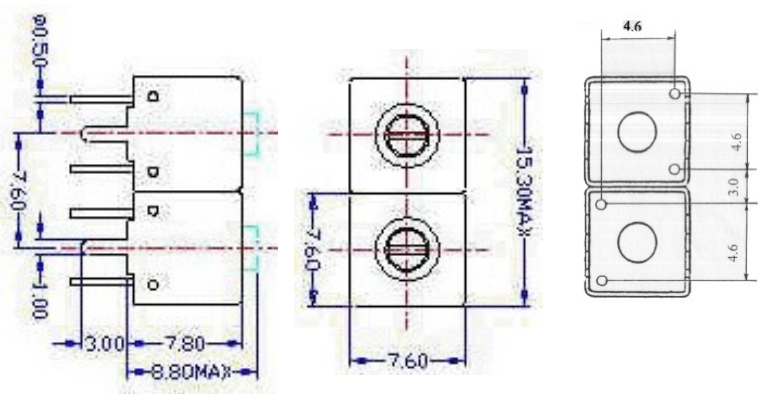


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2101A-614M
Approval No. /dated	20105029DC	Acceptable Specify Fo. Range	596~640MHz
Work Instruction No.	20105029DC	Date	2001.05.18

<p>(1) Pin Position</p>  <p>(A) Type INPUT GND OUTPUT GND Bottom View</p>	<p>(2) Size Diagram</p>  <p>Dimensions: 15.30MAX, 7.60, 7.60, 4.6, 3.0, 4.6, 8.80MAX, 7.80, 3.00, 1.00, 7.60, 1.00, 5.0</p>
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(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	614 MHz	614 MHz
Tunable Range	614±3 MHz	614±3 MHz
Insertion Loss	Typ. 3.5 dB	2.7 dB
-3 dB Bandwidth	Typ. 31 MHz	34 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 28 dBc
	Fo + 50 MHz	Typ. 23 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	35 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

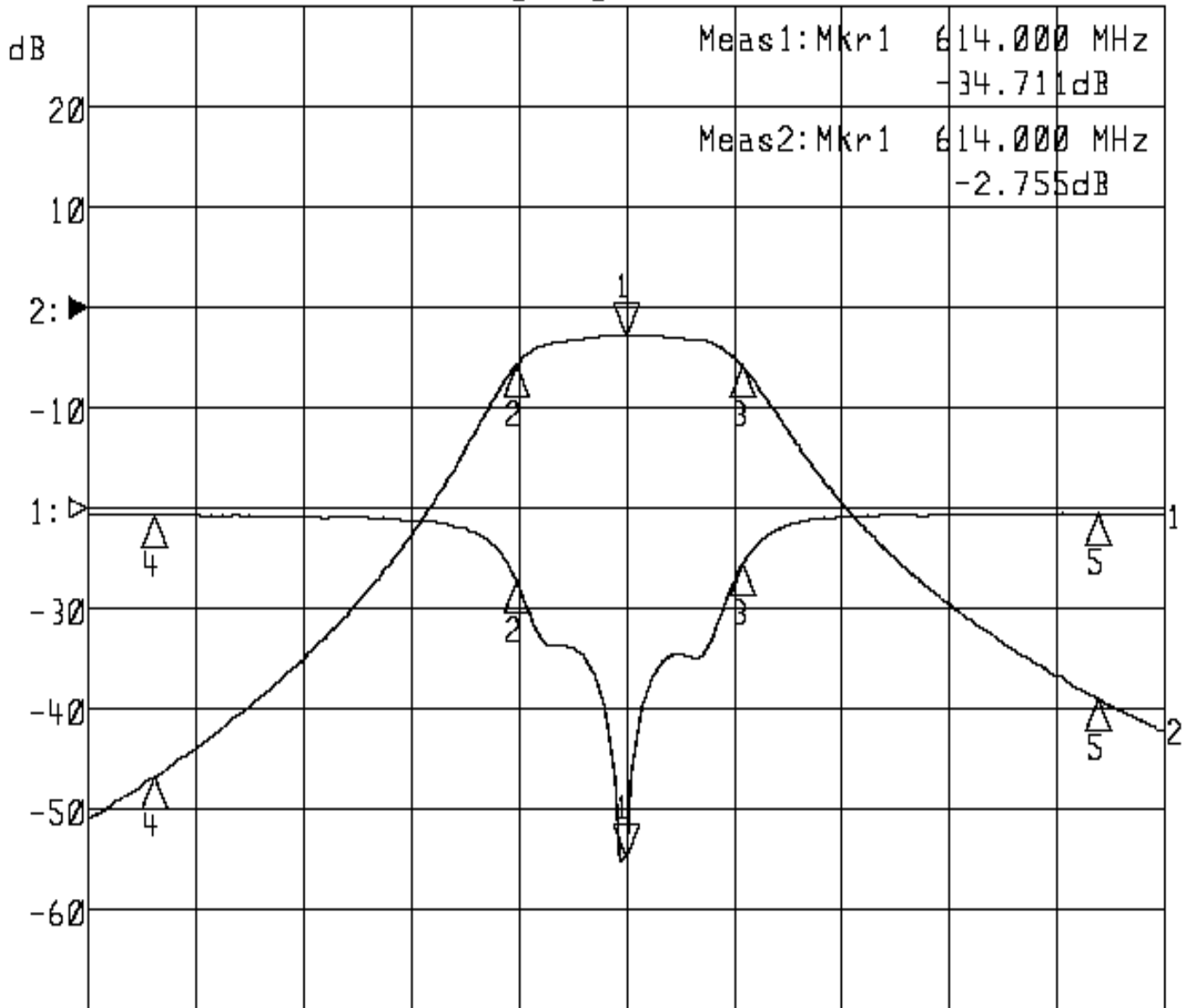
		> 1Watt	
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S024RB6

TEMWELL CORPORATION

Performance-TDS2101A-614M

20105029DC

▶1:S11 Refl Port1 Log Mag 10.0 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 160.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 614.0000	-34.711	1> 614.0000	-2.755
2: 597.6800	-7.127	2: 597.6800	-5.735
3: 631.2267	-5.614	3: 631.2267	-5.752
4: 544.0000	-0.719	4: 544.0000	-46.815
5: 684.0000	-0.618	5: 684.0000	-38.935