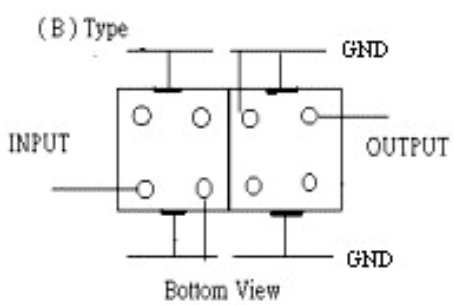
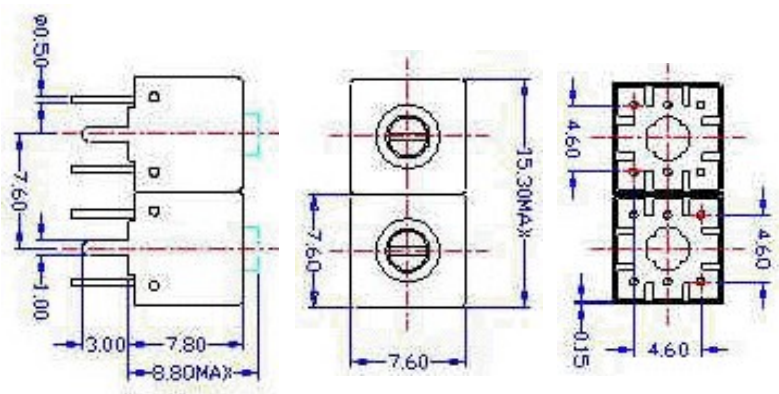


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2102B-614M
Approval No. /dated	20105030DC	Acceptable Specify Fo. Range	596~640MHz
Work Instruction No.	20105030DC	Date	2001.05.18

<p>(1) Pin Position</p>  <p style="text-align: center;">Bottom View</p>	<p>(2) Size Diagram</p> 
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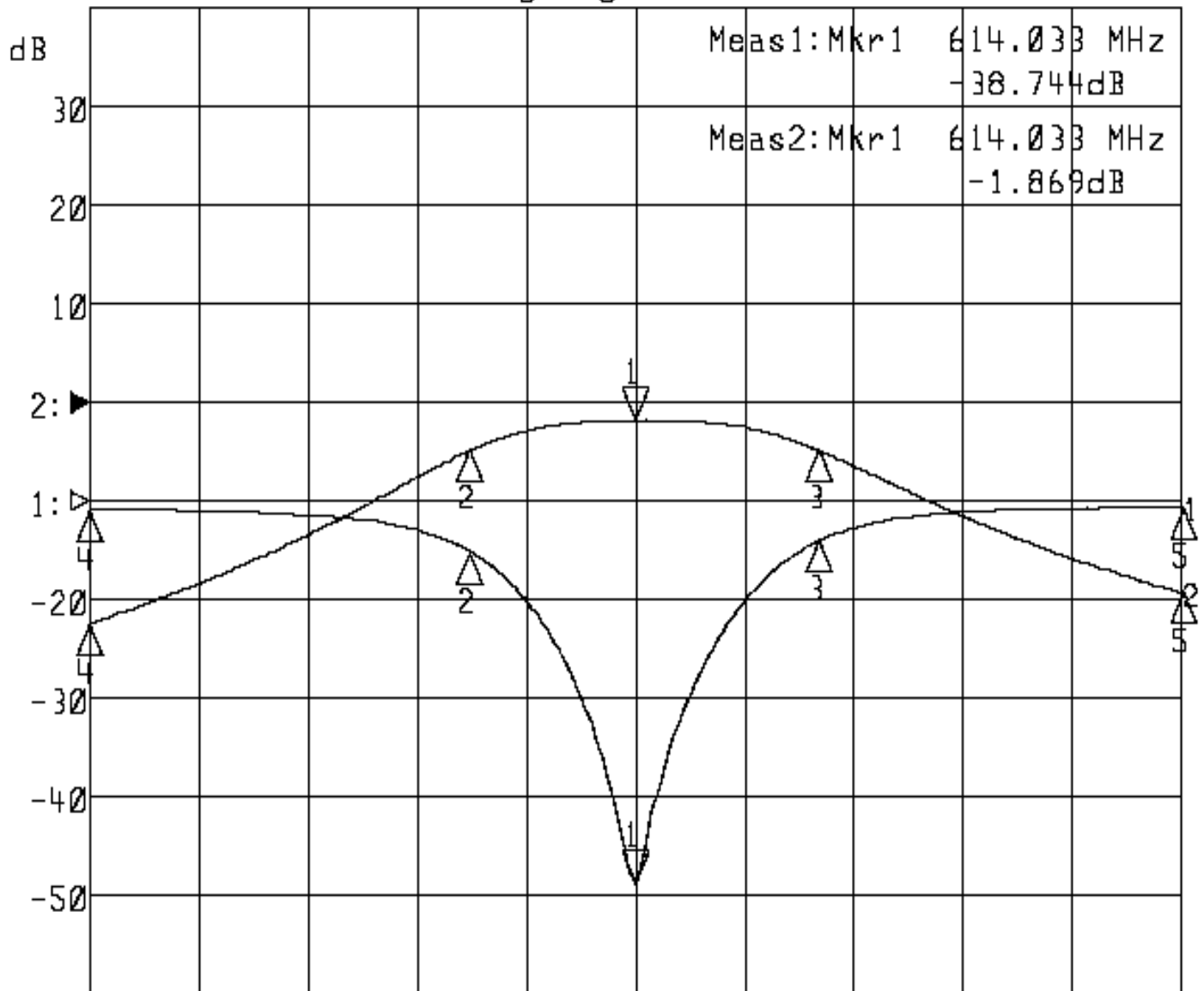
(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		614 MHz	614 MHz
Tunable Range		614±5 MHz	614±5 MHz
Insertion Loss		Typ. 2.5 dB	1.8 dB
-3 dB Bandwidth		Typ. 29 MHz	32 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 17 dBc	20 dBc
	Fo + 50 MHz	Typ. 14 dBc	17 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	38 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*3.5) 7S024RB6
TEMWELL CORPORATION			

Performance-TDS2102B-614M

20105030DC

▷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 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 614.0333	-38.744	1> 614.0333	-1.869
2: 598.9000	-5.160	2: 598.9000	-4.870
3: 630.8000	-4.077	3: 630.8000	-4.868
4: 564.0000	-0.894	4: 564.0000	-22.458
5: 664.0000	-0.676	5: 664.0000	-19.332