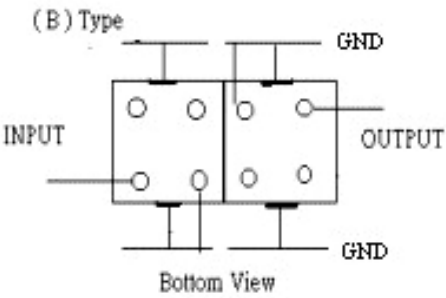
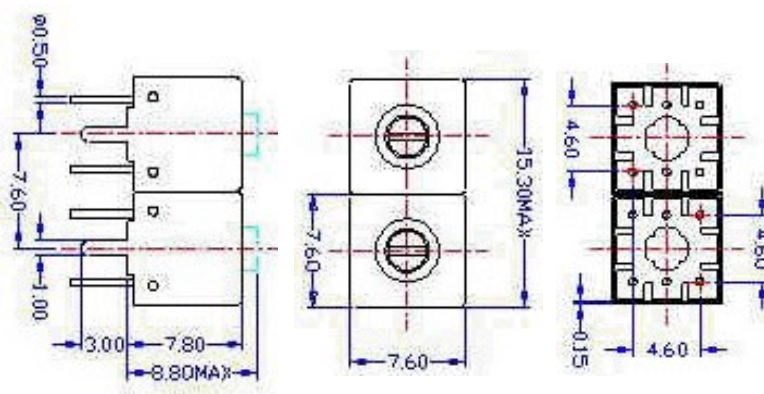


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2084B-530M
Approval No. /dated	20106025DC	Acceptable Specify Fo. Range	516~555MHz
Work Instruction No.	20106025DC	Date	2001.06.14

<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 %	530 MHz	530 MHz	
Tunable Range	530±5 MHz	530±5 MHz	
Insertion Loss	Typ. 4.0 dB	2.6 dB	
-3 dB Bandwidth	Typ. 18 MHz	23 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 20 dBc	23 dBc
	Fo + 50 MHz	Typ. 17 dBc	20 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	31 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

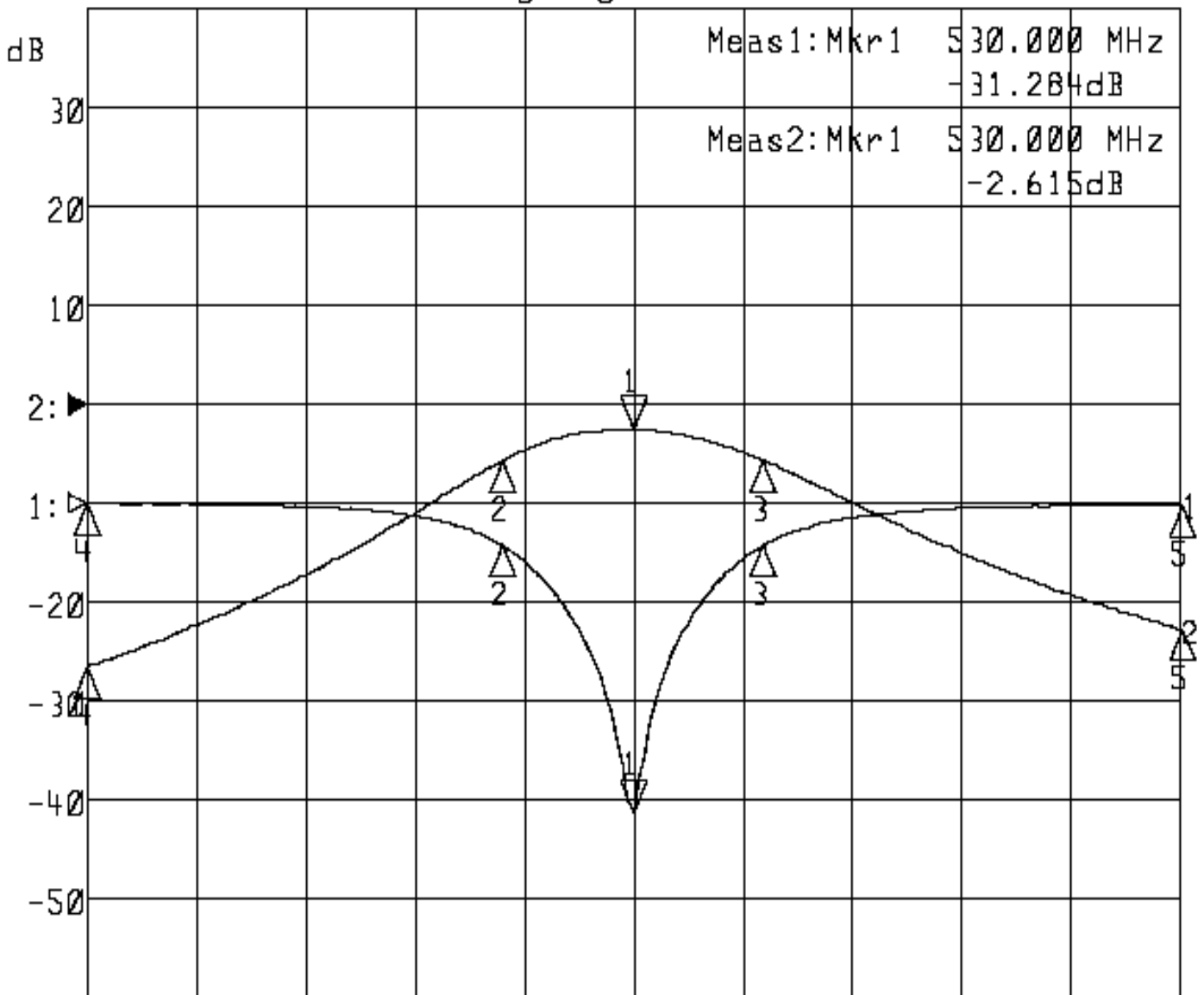
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*3.5) 7S024RB5.5

TEMWELL CORPORATION

Performance-TDS2084B-530M

20106025DC

▶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 530.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 530.0000	-31.284	1> 530.0000	-2.615
2: 518.1000	-4.337	2: 518.1000	-5.632
3: 541.7667	-4.336	3: 541.7667	-5.631
4: 480.0000	-0.091	4: 480.0000	-26.610
5: 580.0000	-0.182	5: 580.0000	-22.760