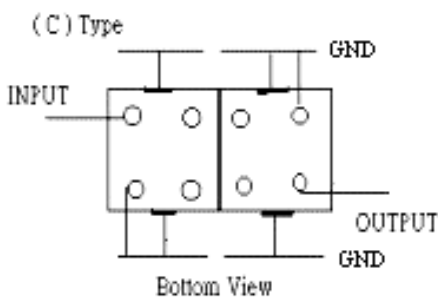
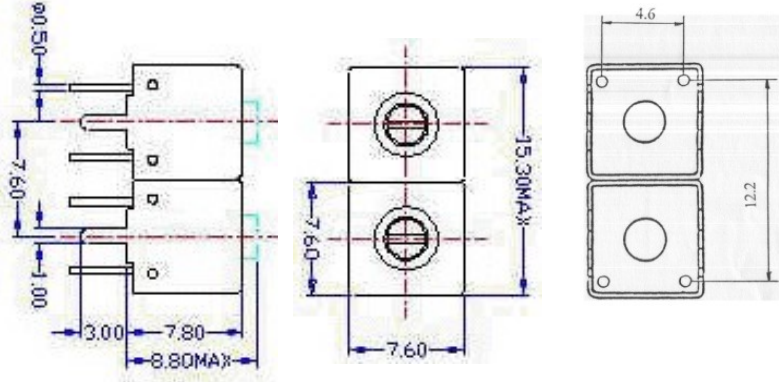


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2083C-535M
Approval No. /dated	20103081DC	Acceptable Specify Fo. Range	516~555MHz
Work Instruction No.	20103081DC	Date	2001.4.17

<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 %	535 MHz	535 MHz	
Tunable Range	535±5 MHz	535±5 MHz	
Insertion Loss	Typ. 2.0 dB	1.1 dB	
-3 dB Bandwidth	Typ. 49 MHz	52 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 23 dBc	26 dBc
	Fo + 100 MHz	Typ. 14 dBc	17 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	19 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

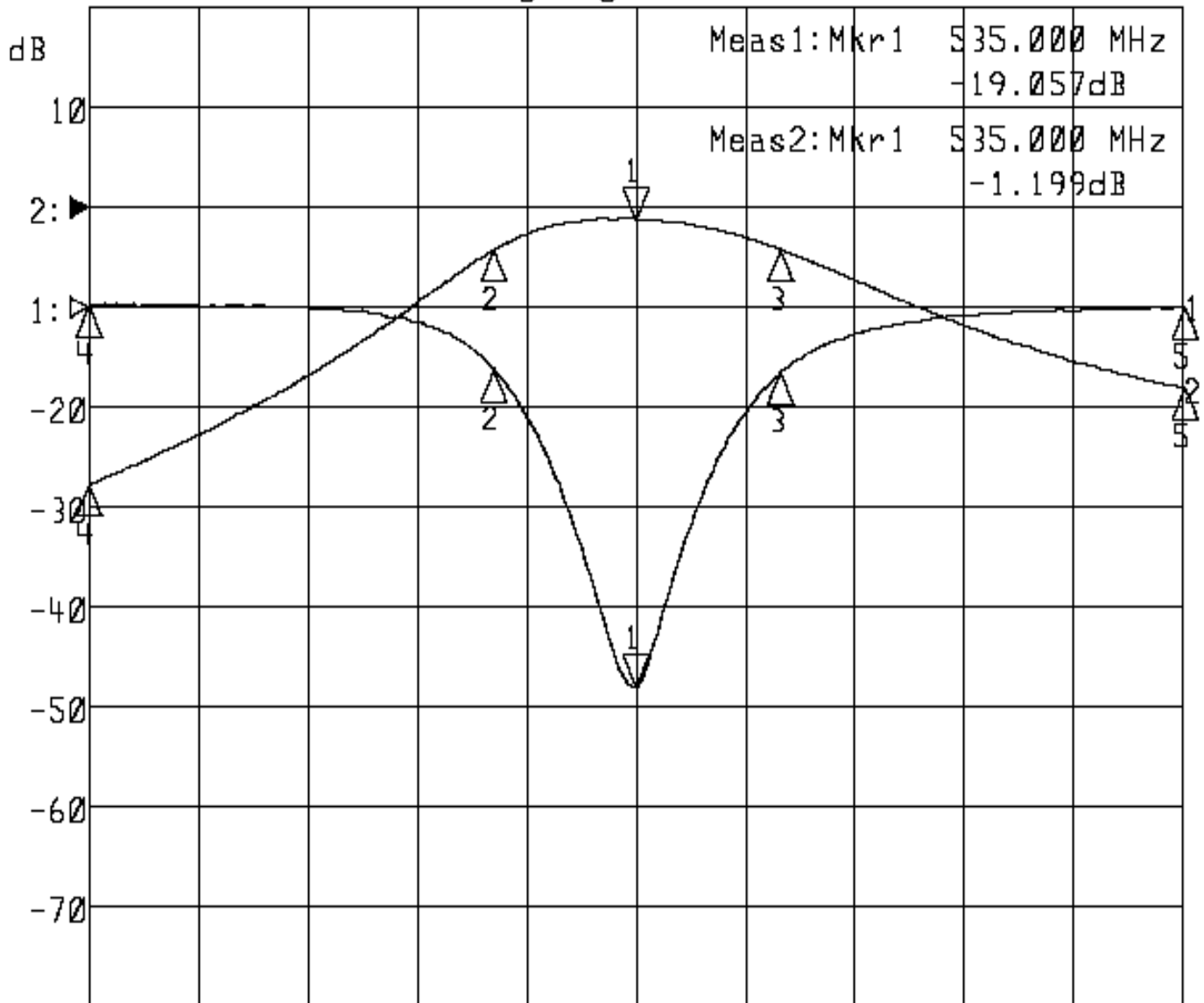
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S024RB5.5

TEMWELL CORPORATION

Performance-TDS2083C-535M

20103081DC

▶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 535.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 535.0000	-19.057	1> 535.0000	-1.199
2: 509.2000	-3.145	2: 509.2000	-4.253
3: 561.3333	-3.298	3: 561.3333	-4.153
4: 435.0000	0.110	4: 435.0000	-27.787
5: 635.0000	0.007	5: 635.0000	-18.063