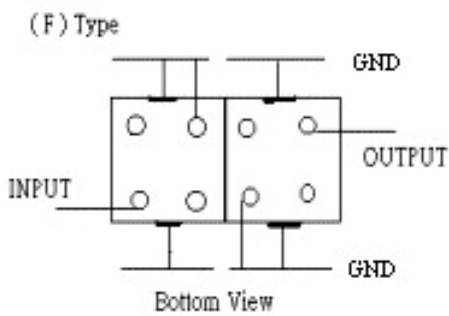
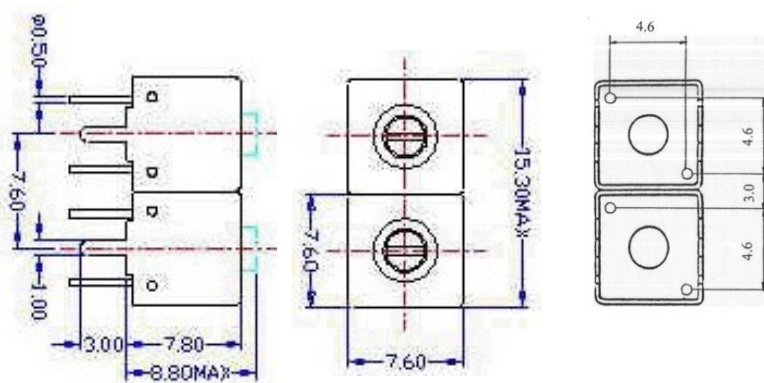


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2054F-375M
Approval No. /dated	20103002DC	Acceptable Specify Fo. Range	356~400MHz
Work Instruction No.	20103002DC	Date	2001.03.02

<p>(1) Pin Position</p>  <p>(F) Type Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	375 MHz	375 MHz
Tunable Range	375±4 MHz	375±4 MHz
Insertion Loss	Typ. 3.0 dB	1.8 dB
-3 dB Bandwidth	Typ. 20 MHz	24 MHz
Sensitivity (Attenuation)	Fo - 30 MHz	Typ. 13 dBc
	Fo + 30 MHz	Typ. 9 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	20.1 dB
Ripple	< 1 dB	1 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

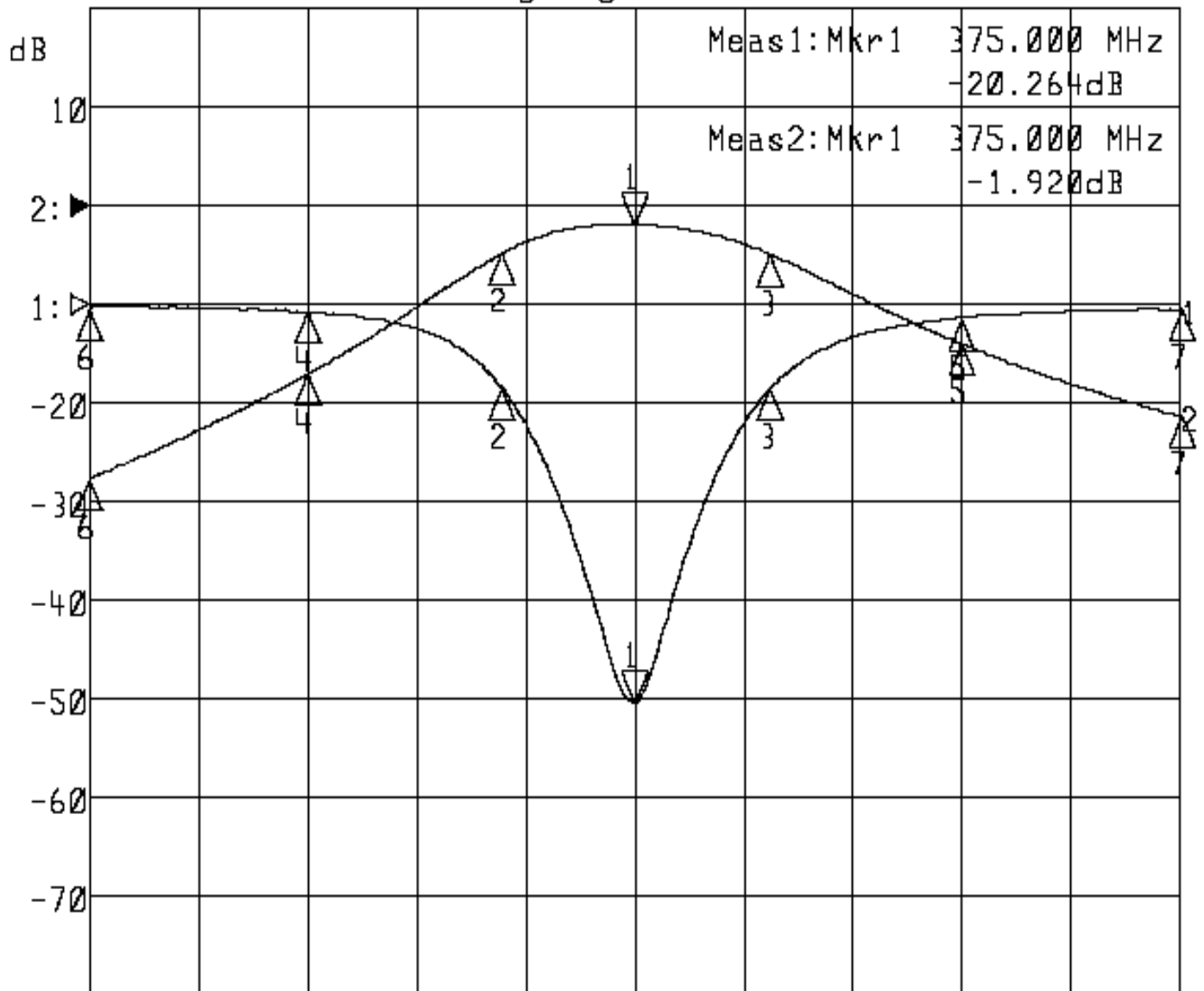
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*4.5) 7S00LB4

TEMWELL CORPORATION

Performance-TDS2054F-375M

20103002DC

▶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 375.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 375.0000	-20.264	1> 375.0000	-1.920
2: 362.8667	-4.236	2: 362.8667	-4.831
3: 387.4000	-4.300	3: 387.4000	-4.883
4: 345.0000	-0.338	4: 345.0000	-17.070
5: 405.0000	-0.689	5: 405.0000	-14.049
6: 325.0000	-0.193	6: 325.0000	-27.715
7: 425.0000	-0.251	7: 425.0000	-21.324