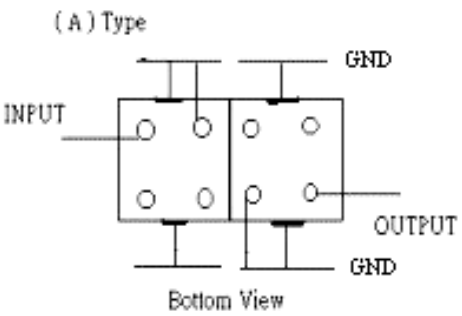
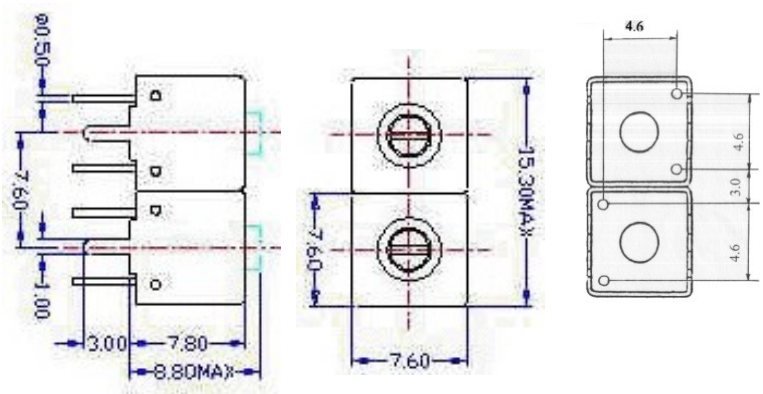


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2231A-1010M
Approval No. /dated	20106029DC	Acceptable Specify Fo. Range	1001~1100MHz
Work Instruction No.	20106029DC	Date	2001.06.15

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

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1010 MHz	1010 MHz	
Tunable Range	1010±10 MHz	1010±10 MHz	
Insertion Loss	Typ. 4.5 dB	3.5 dB	
-3 dB Bandwidth	Typ. 19 MHz	24 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 19 dBc	22 dBc
	Fo + 50 MHz	Typ. 17 dBc	20 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	20 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

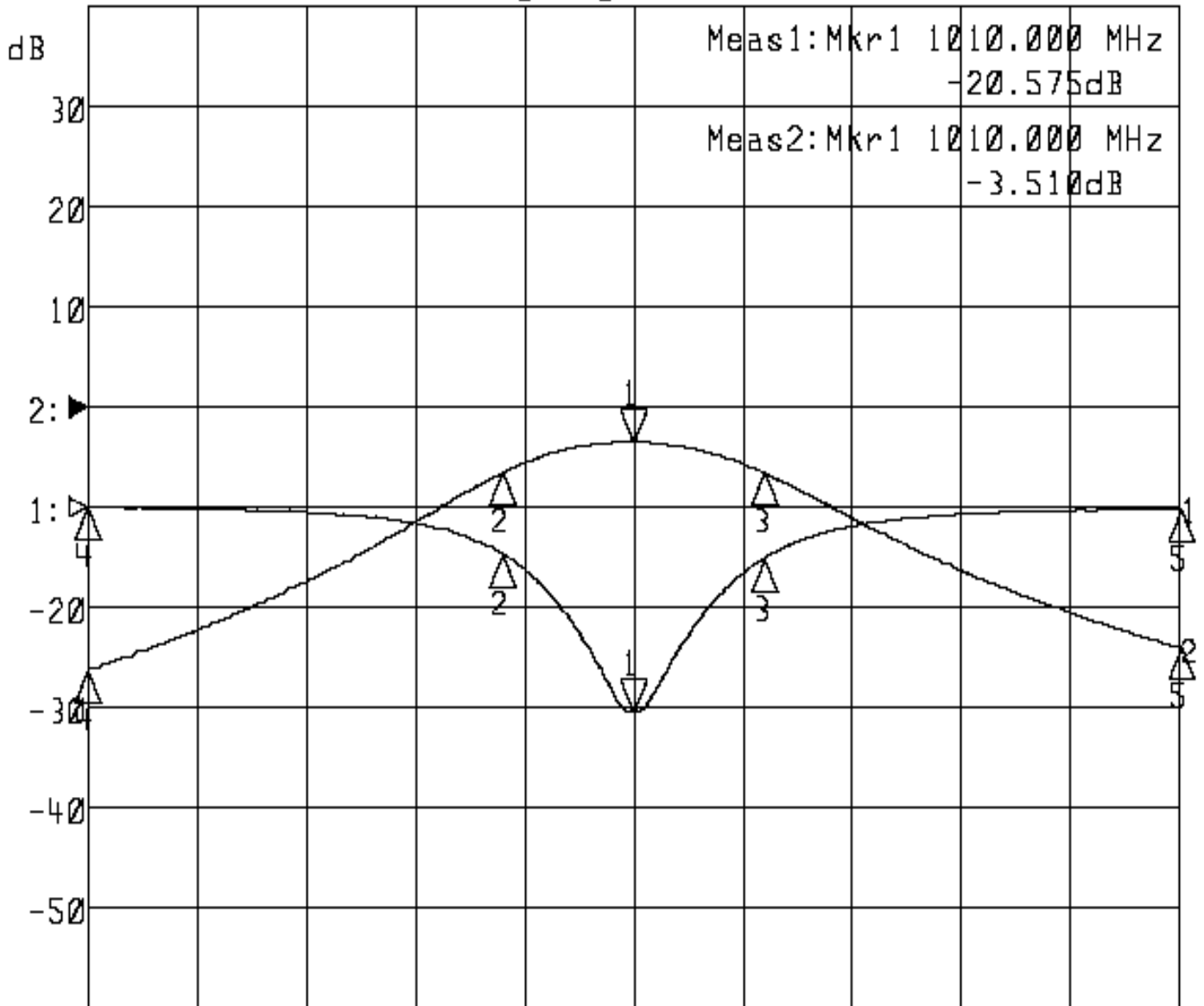
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TDS2231A-1010M

20106029DC

▸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



Meas1:Mkr1 1010.000 MHz
 -20.575dB
 Meas2:Mkr1 1010.000 MHz
 -3.510dB

Center 1 010.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1010.0000	-20.575	1> 1010.0000	-3.510
2: 998.0667	-4.679	2: 998.0667	-6.530
3: 1021.9333	-5.146	3: 1021.9333	-6.573
4: 960.0000	-0.019	4: 960.0000	-26.228
5: 1060.0000	-0.146	5: 1060.0000	-24.035