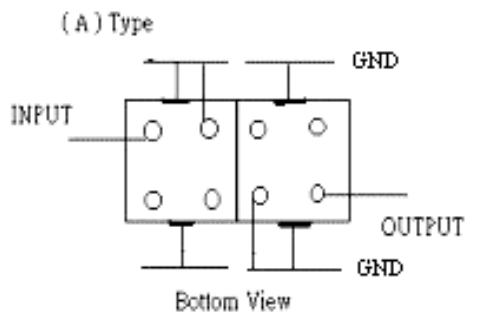
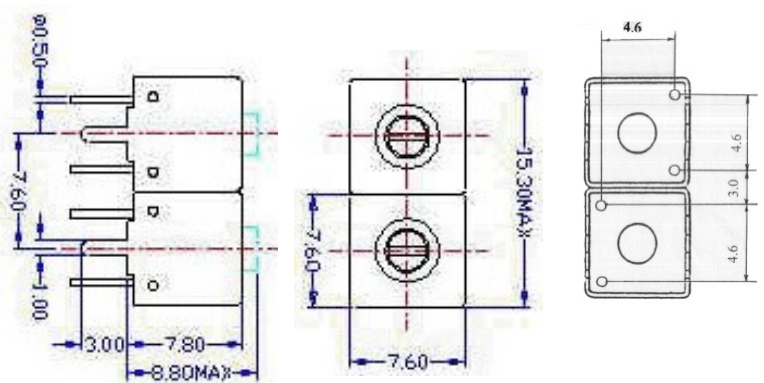


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2191A-915M
Approval No. /dated	20110029DC	Acceptable Specify Fo. Range	901~930MHz
Work Instruction No.	20110029DC	Date	2001.10.17

<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 %	915 MHz	915 MHz
Tunable Range	915±5 MHz	915±5 MHz
Insertion Loss	Typ. 2.0 dB	1.0 dB
-3 dB Bandwidth	Typ. 68 MHz	73 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 15 dBc
	Fo + 100 MHz	Typ. 10 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	21 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

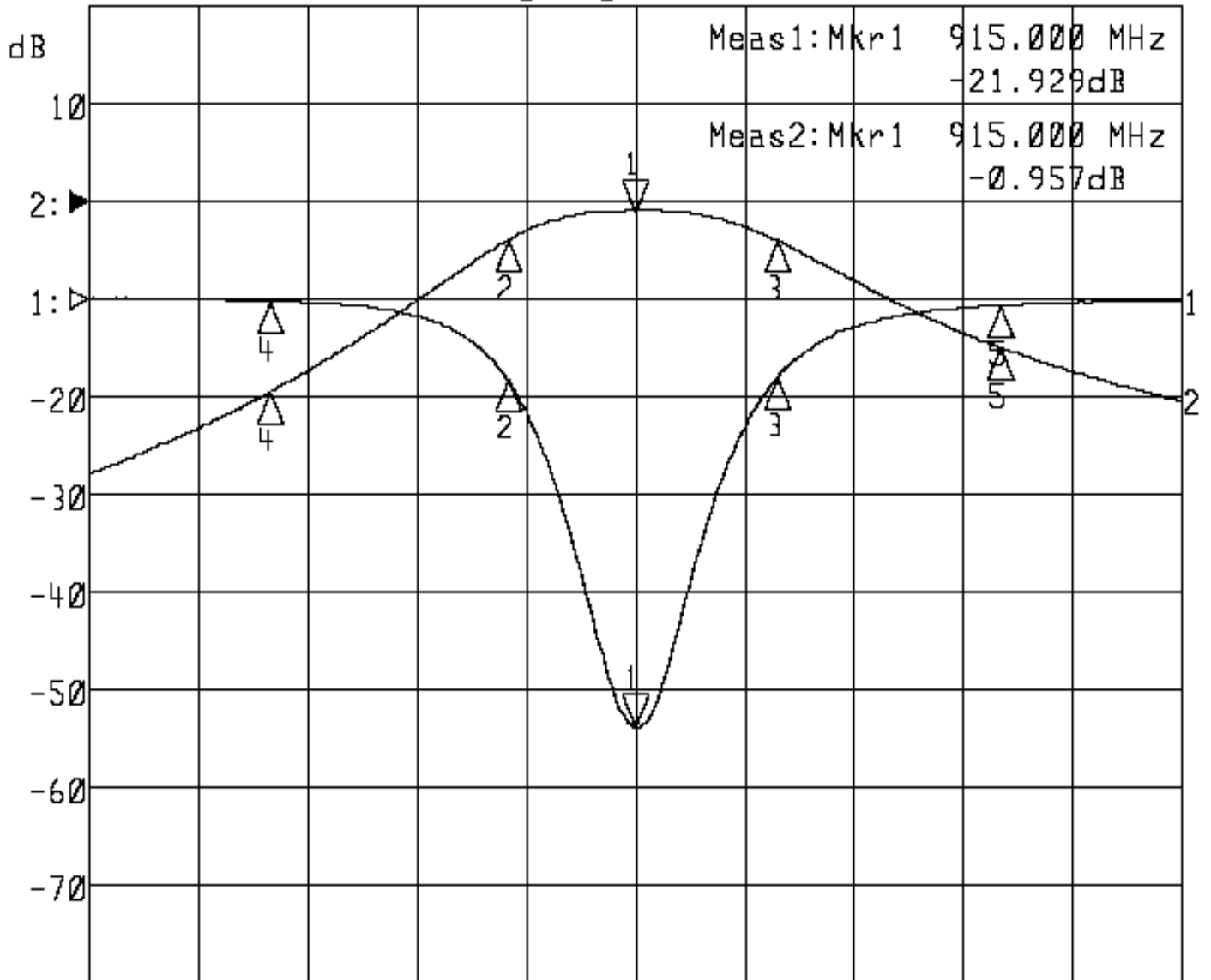
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2191A-915M

20110029DC

▷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 915.000 MHz

Span 300.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 915.0000	-21.929	1> 915.0000	-0.957
2: 880.1000	-4.139	2: 880.1000	-3.927
3: 953.7000	-4.037	3: 953.7000	-3.904
4: 815.0000	-0.089	4: 815.0000	-19.421
5: 1015.0000	-0.315	5: 1015.0000	-14.879