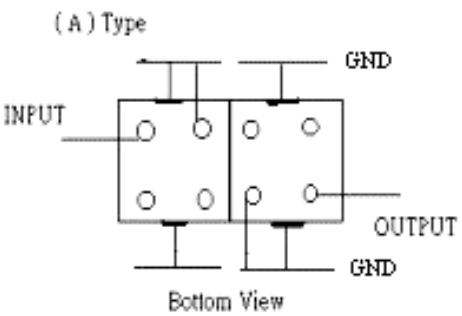
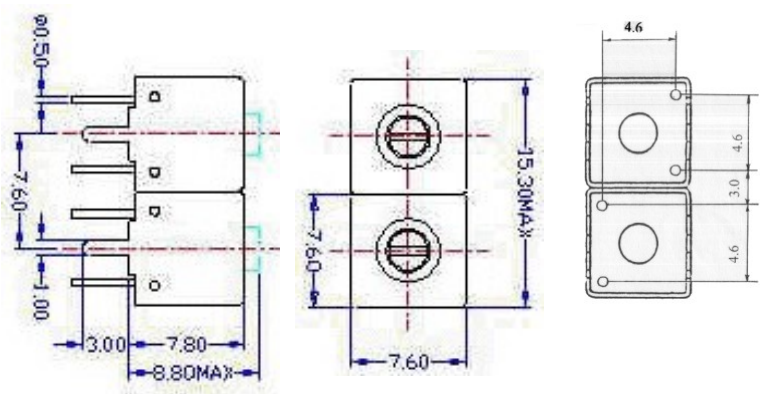


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2181A-890M
Approval No. /dated	20110027DC	Acceptable Specify Fo. Range	861~900MHz
Work Instruction No.	20110027DC	Date	2001.10.17

<p>(1) Pin Position</p>  <p>(A) Type INPUT GND OUTPUT GND Bottom View</p>	<p>(2) Size Diagram</p>  <p>Dimensions: 9.50, 7.60, 1.00, 3.00, 7.80, 8.80MAX, 7.60, 15.30MAX, 4.6, 3.0, 4.6</p>
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(3) Electric Character			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	890 MHz	890 MHz	
Tunable Range	890±5 MHz	890±5 MHz	
Insertion Loss	Typ. 2.0 dB	1.3 dB	
-3 dB Bandwidth	Typ. 60 MHz	65 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 17 dBc	20 dBc
	Fo + 100 MHz	Typ. 13 dBc	16 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	44 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

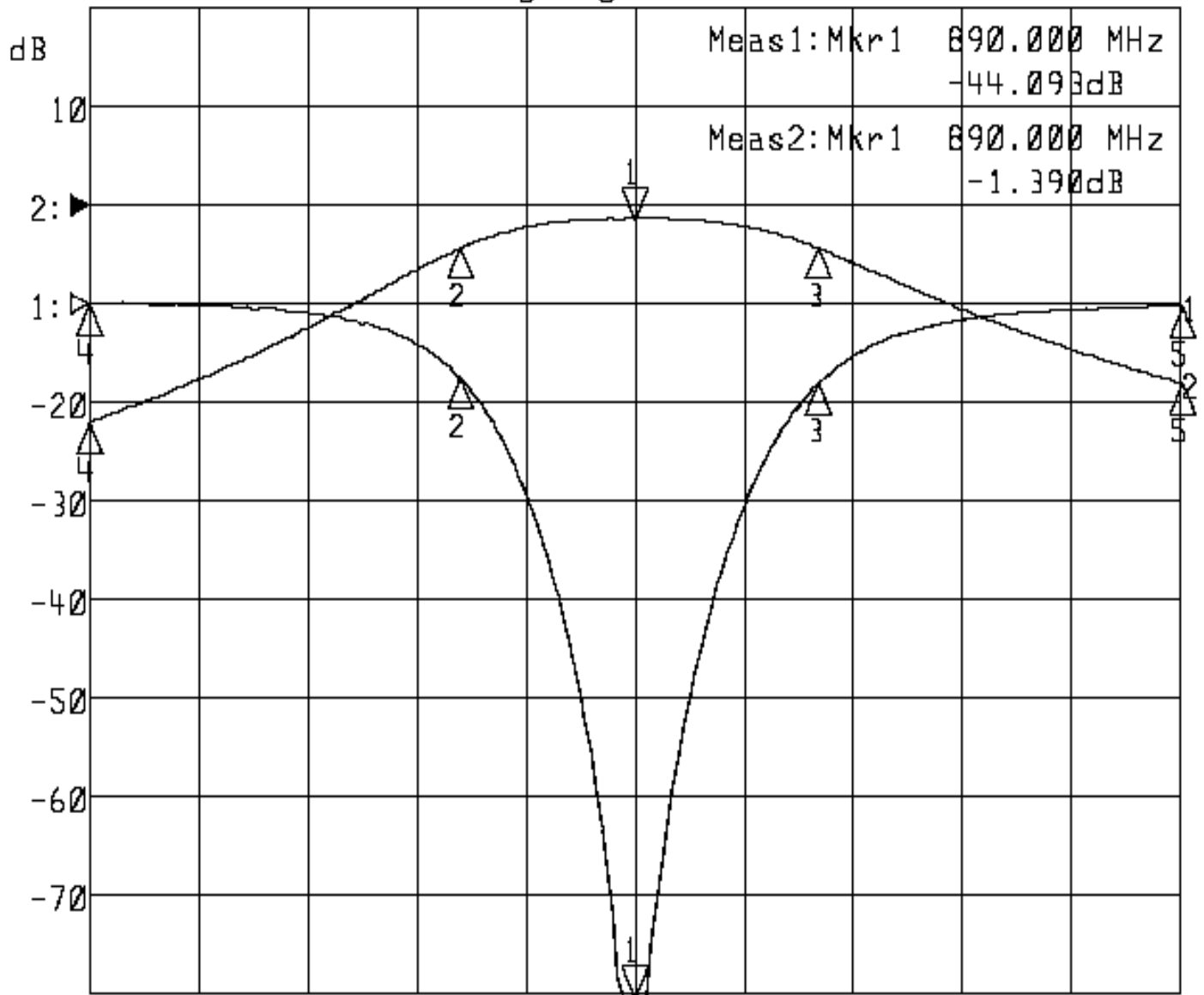
TEMWELL CORPORATION

Performance-TDS2181A-890M

20110027DC

▶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 890.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 890.0000	-44.093	1> 890.0000	-1.390
2: 858.1333	-3.804	2: 858.1333	-4.368
3: 923.6667	-4.027	3: 923.6667	-4.355
4: 790.0000	0.003	4: 790.0000	-22.015
5: 990.0000	-0.149	5: 990.0000	-18.004