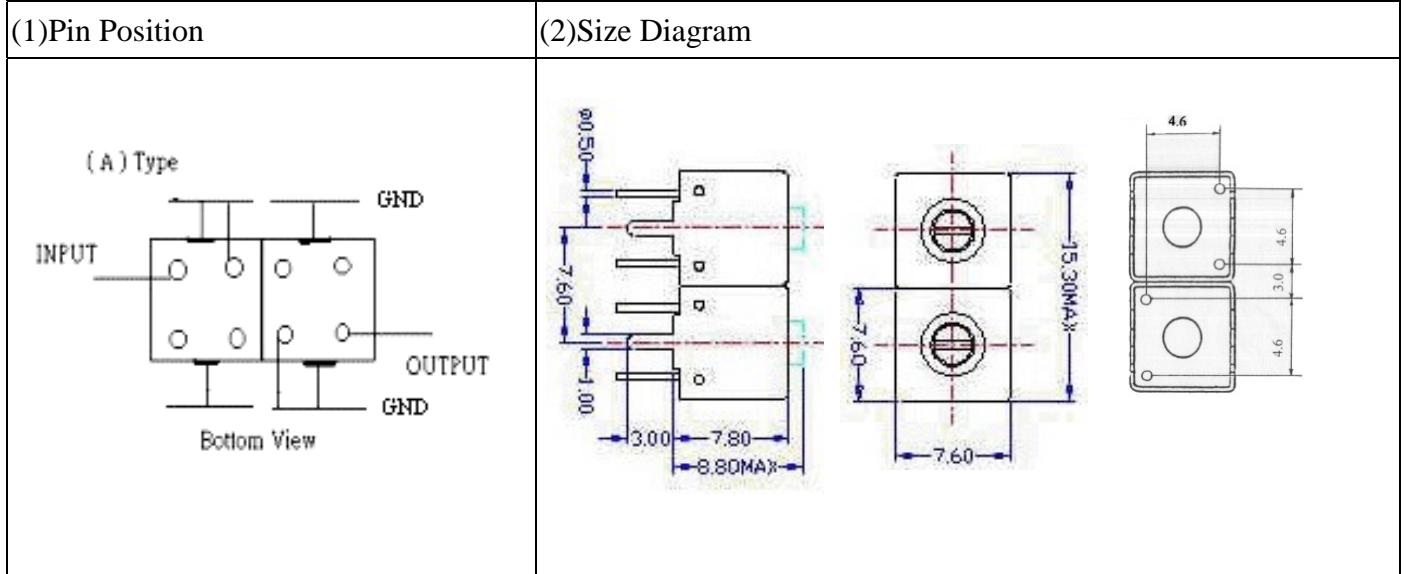


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2184A-890M
Approval No. /dated	20104056DC	Acceptable Specify Fo. Range	861~900MHz
Work Instruction No.	20104056DC	Date	2001.4.19



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	890 MHz	890 MHz
Tunable Range	890±10 MHz	890±10 MHz
Insertion Loss	Typ. 4.0 dB	3.1 dB
-3 dB Bandwidth	Typ. 22 MHz	26 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 18 dBc
	Fo + 50 MHz	Typ. 15 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	17.6 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

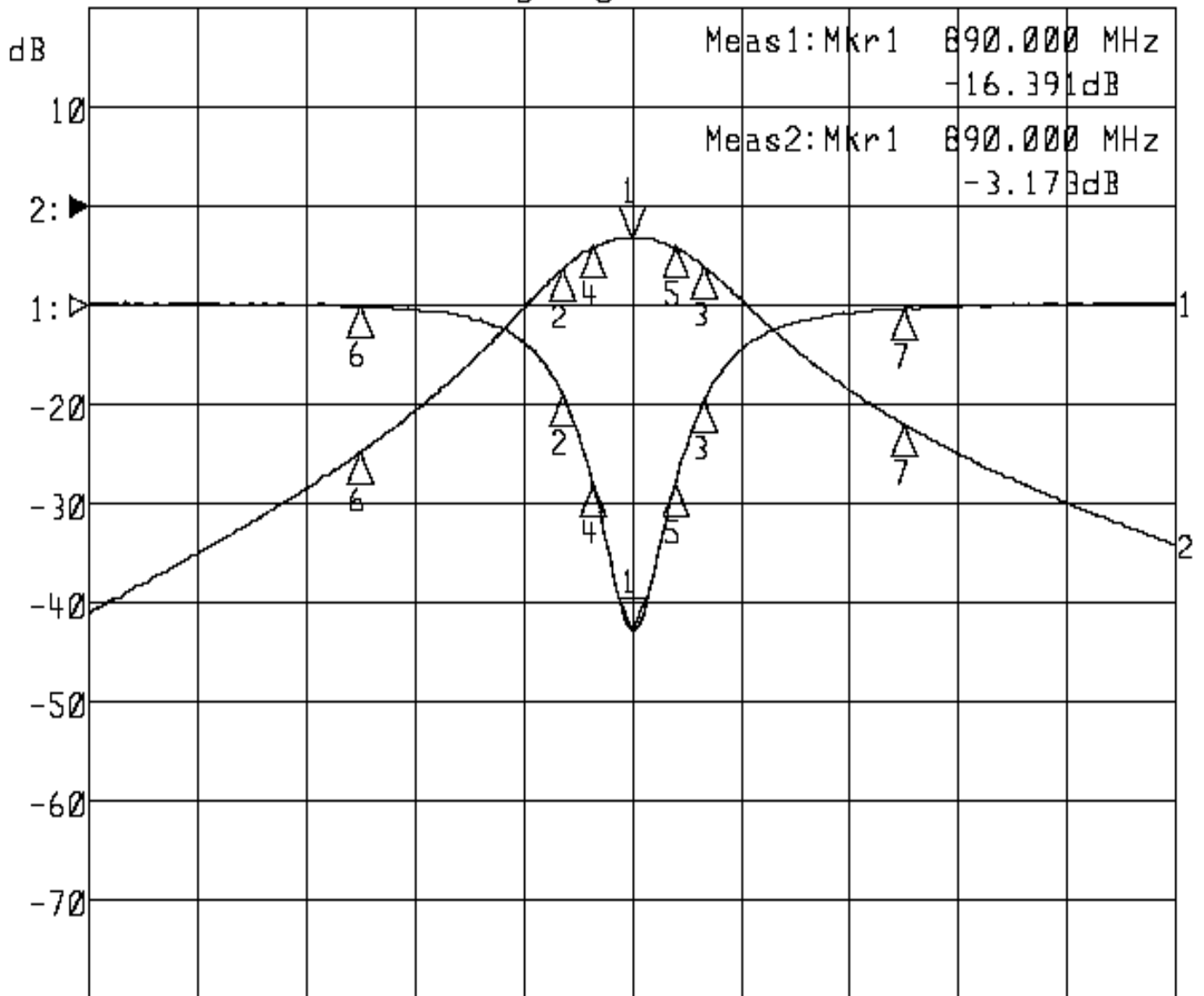
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

Performance-TDS2184A-890M

20104056DC

▶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	-16.391	1> 890.0000	-3.173
2: 877.4000	-4.519	2: 877.4000	-6.217
3: 903.3333	-4.790	3: 903.3333	-6.076
4: 882.8000	-8.950	4: 882.8000	-4.111
5: 897.9333	-8.972	5: 897.9333	-4.123
6: 840.0000	0.016	6: 840.0000	-24.763
7: 940.0000	-0.169	7: 940.0000	-21.955