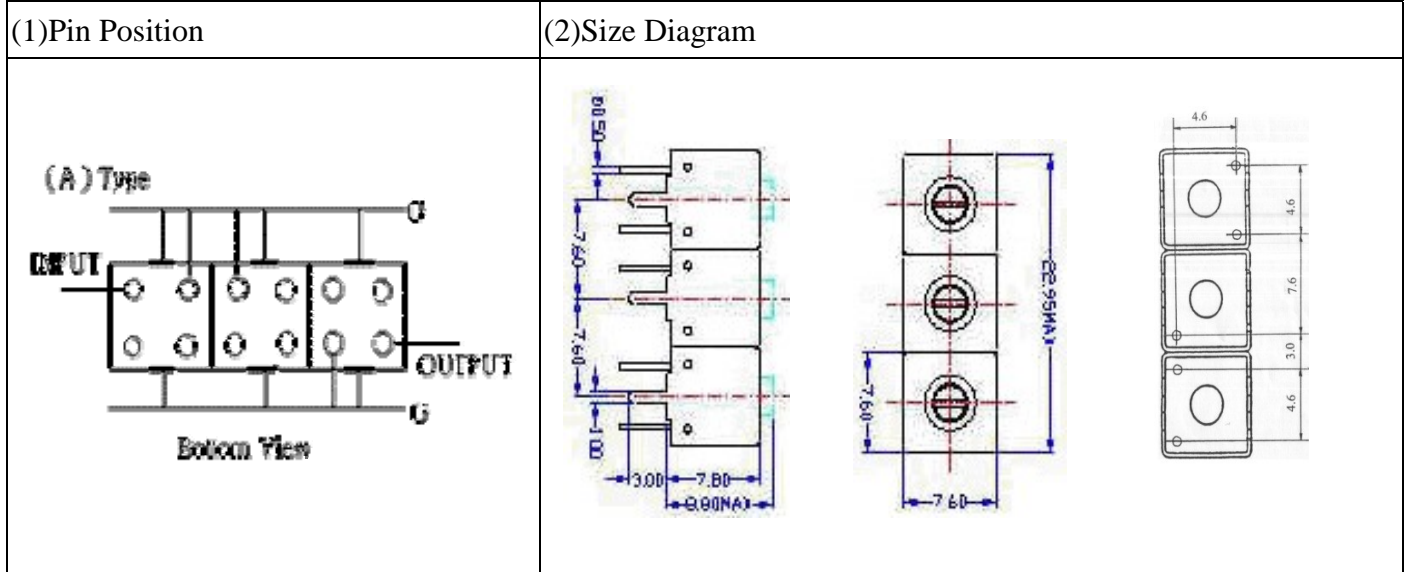


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3181A-890M
Approval No. /dated	20110028DC	Acceptable Specify Fo. Range	861~900MHz
Work Instruction No.	20110028DC	Date	2001.10.17



(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. 2.0 dB	1.3 dB	
-3 dB Bandwidth	Typ. 59 MHz	63 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 29 dBc	32 dBc
	Fo + 100 MHz	Typ. 19 dBc	22 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	15.5 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

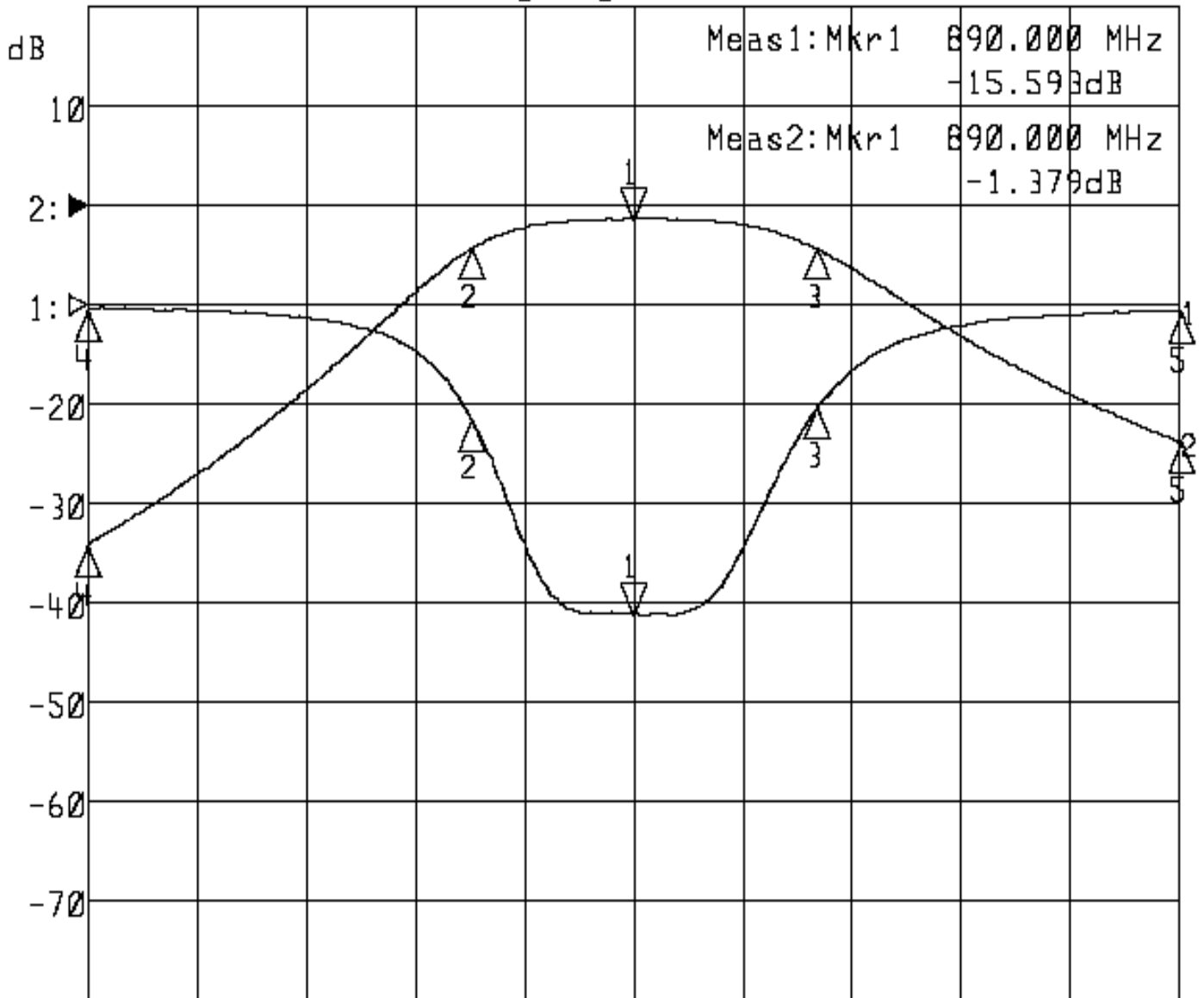
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S3 (4* 5.2) 7S046LB6

TEMWELL CORPORATION

# Performance-TTS3181A-890M

## 20110028DC

▶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	-15.593	1> 890.0000	-1.379
2: 860.2667	-5.689	2: 860.2667	-4.341
3: 923.6667	-5.181	3: 923.6667	-4.315
4: 790.0000	-0.209	4: 790.0000	-34.159
5: 990.0000	-0.340	5: 990.0000	-23.822