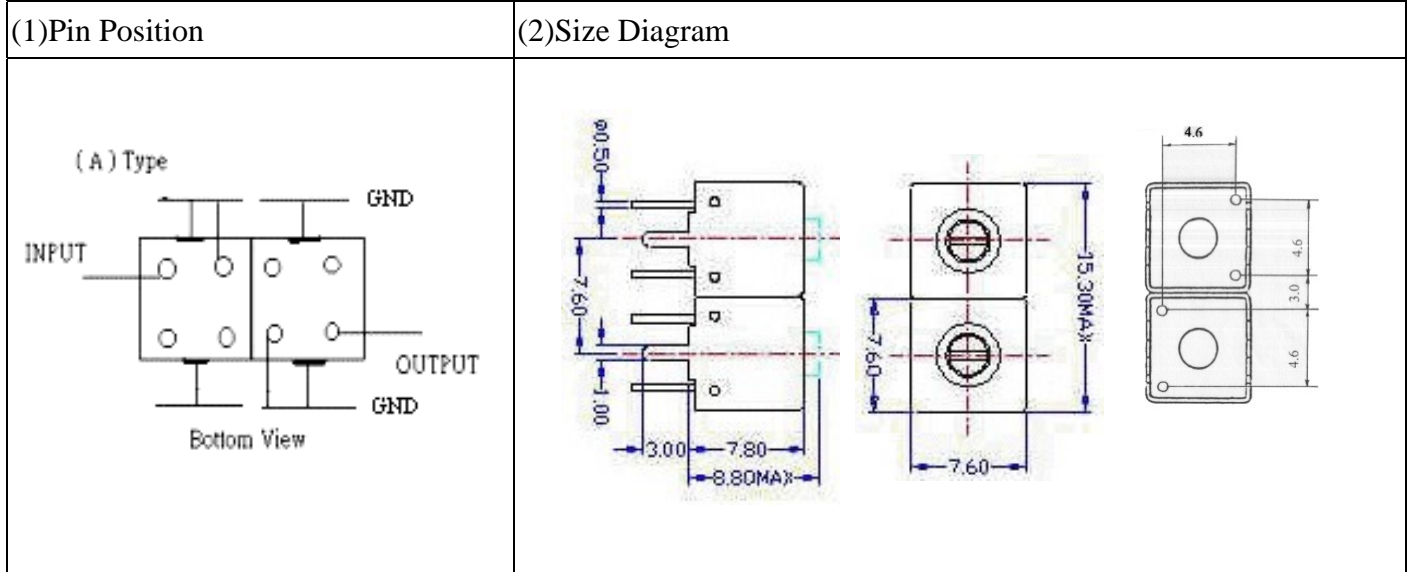


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2251A-1130M
Approval No. /dated	20110041DC	Acceptable Specify Fo. Range	1101~1180MHz
Work Instruction No.	20110041DC	Date	2001.10.19



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1130 MHz	1130 MHz	
Tunable Range	1130±5 MHz	1130±5 MHz	
Insertion Loss	Typ. 3.0 dB	2.2 dB	
-3 dB Bandwidth	Typ. 68 MHz	76 MHz	
Sensitivity (Attenuation)	Fo - 150 MHz	Typ. 22 dBc	25 dBc
	Fo + 150 MHz	Typ. 16 dBc	19 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	27 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

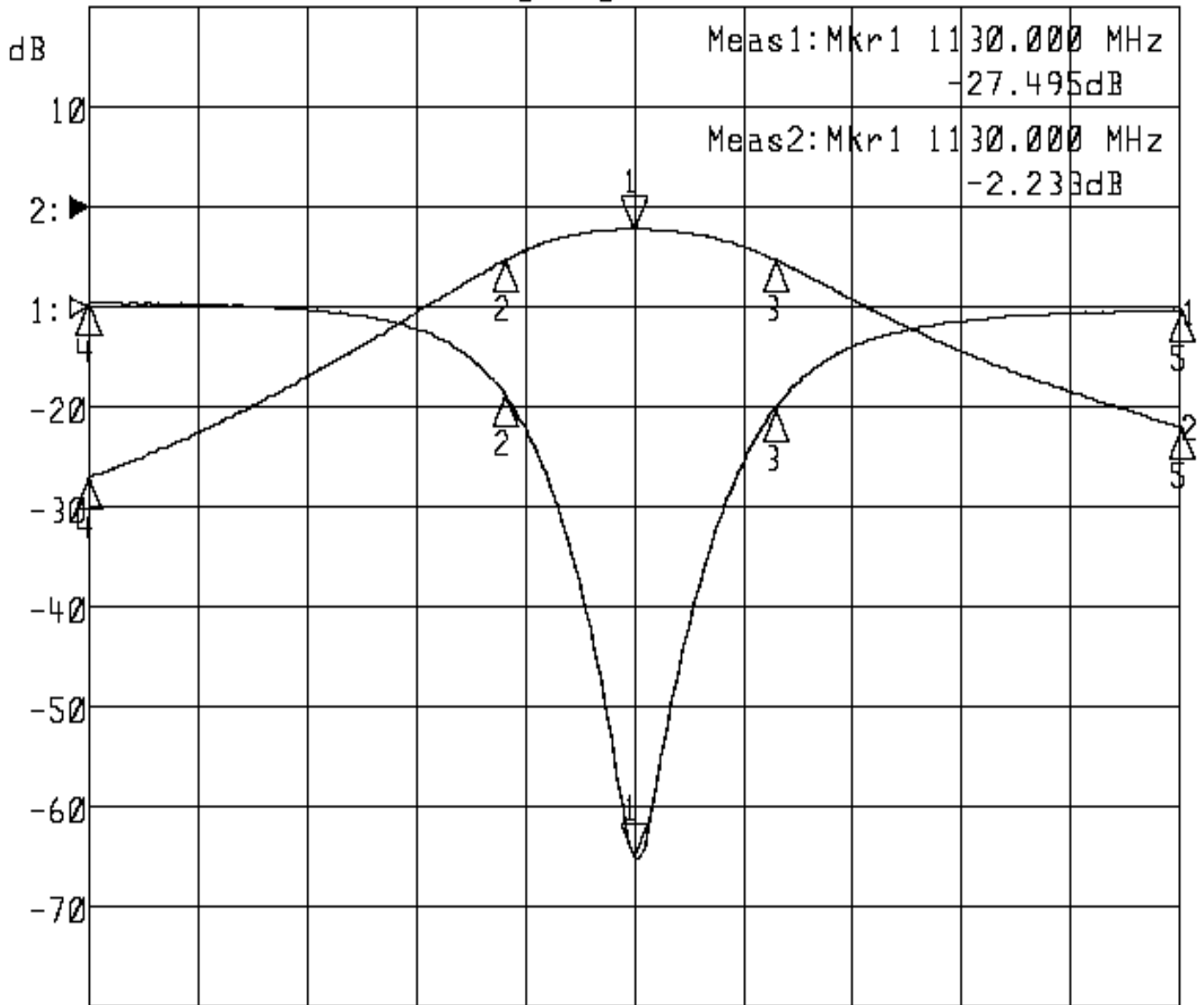
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2251A-1130M

20110041DC

▸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 1 130.000 MHz

Span 300.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1130.0000	-27.495	1> 1130.0000	-2.233
2: 1094.7000	-4.412	2: 1094.7000	-5.267
3: 1168.7000	-5.069	3: 1168.7000	-5.227
4: 980.0000	0.216	4: 980.0000	-27.024
5: 1280.0000	-0.185	5: 1280.0000	-21.957