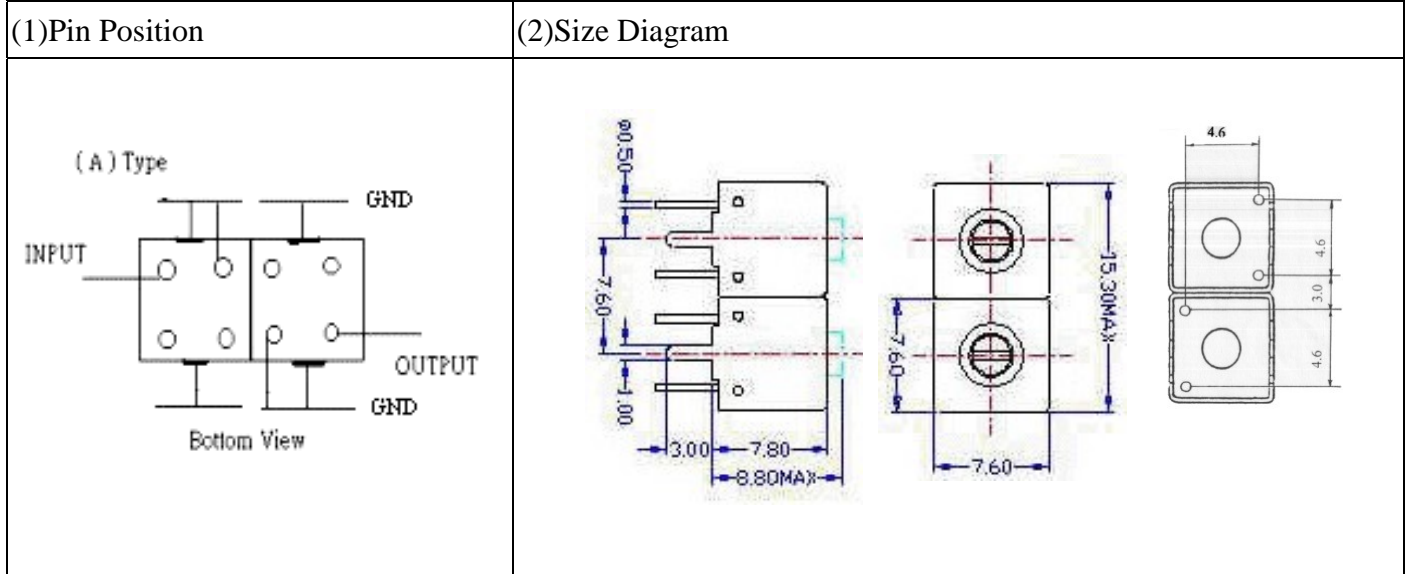


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2283A-1310M
Approval No. /dated	20110047DC	Acceptable Specify Fo. Range	1301~1500MHz
Work Instruction No.	20110047DC	Date	2001.10.30



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1310 MHz	1310 MHz	
Tunable Range	1310±5 MHz	1310±5 MHz	
Insertion Loss	Typ. 3.0 dB	2.1 dB	
-3 dB Bandwidth	Typ. 77 MHz	84 MHz	
Sensitivity (Attenuation)	Fo - 150 MHz	Typ. 20 dBc	23 dBc
	Fo +150 MHz	Typ. 16 dBc	19 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	19 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

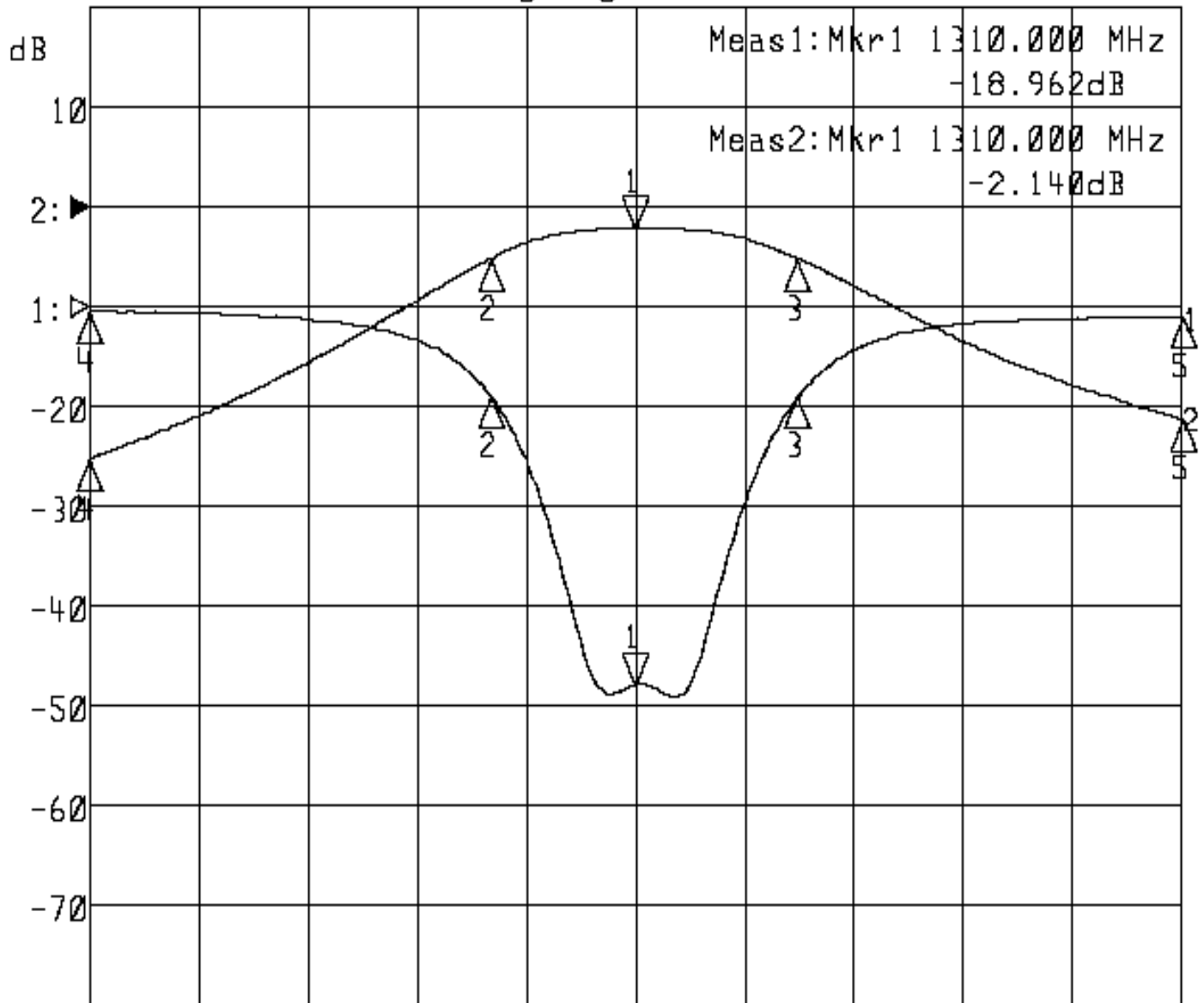
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

# Performance-TDS2283A-1310M

## 20110047DC

▷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 1 310.000 MHz

Span 300.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1310.0000	-18.962	1> 1310.0000	-2.140
2: 1270.3000	-4.471	2: 1270.3000	-5.142
3: 1354.6000	-4.545	3: 1354.6000	-5.131
4: 1160.0000	-0.253	4: 1160.0000	-25.225
5: 1460.0000	-0.560	5: 1460.0000	-21.240