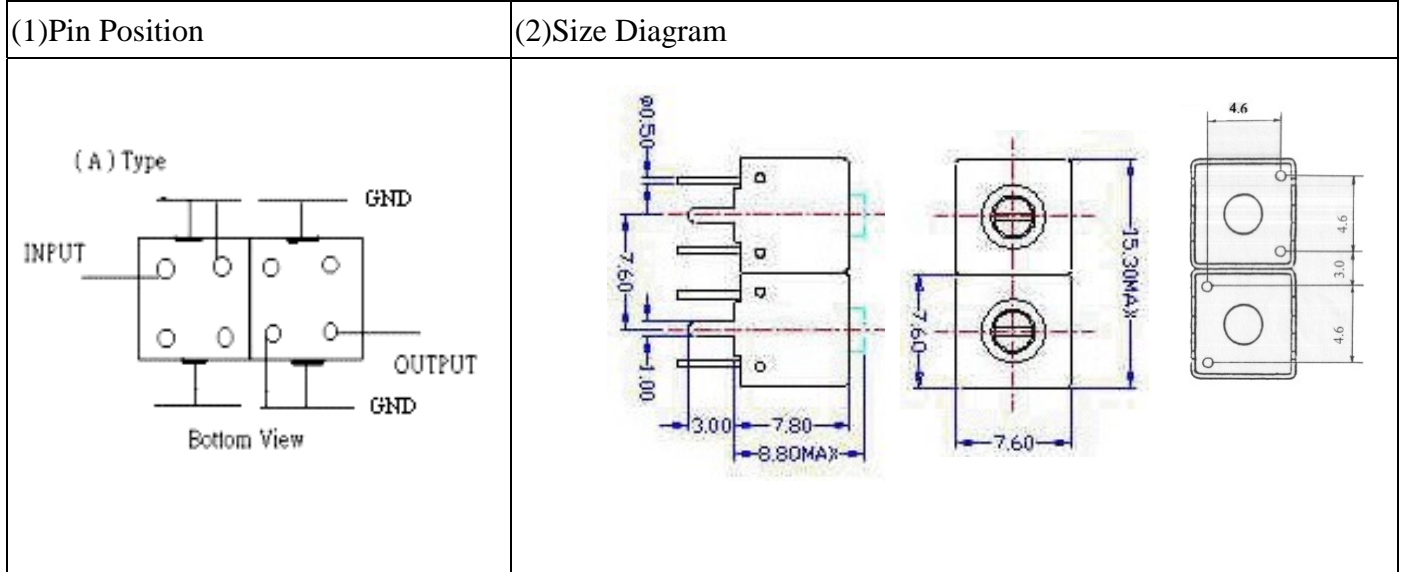


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2274A-1270M
Approval No. /dated	20110071DC	Acceptable Specify Fo. Range	1251~1300MHz
Work Instruction No.	20110071DC	Date	2001.10.25



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	1270 MHz	1270 MHz
Tunable Range	1270±5 MHz	1270±5 MHz
Insertion Loss	Typ. 3.0 dB	2.4 dB
-3 dB Bandwidth	Typ. 37 MHz	44 MHz
Sensitivity (Attenuation)	Fo - 150 MHz	Typ. 21 dBc
	Fo + 150 MHz	Typ. 19 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. dBc
Return Loss	Min. 12 dB	15 dB
Ripple	< 1 dB	1 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
--	---------

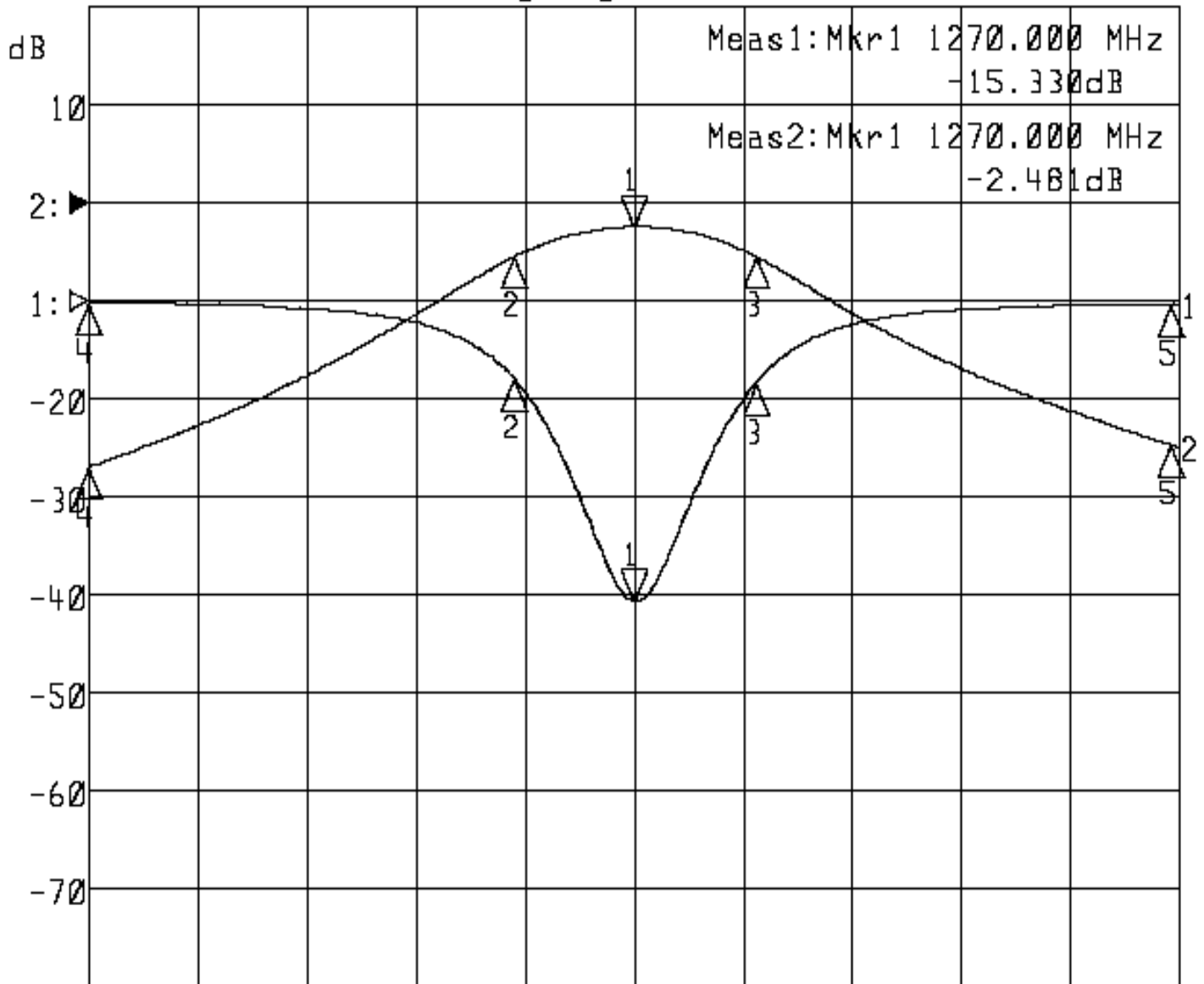
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

TEMWELL CORPORATION

# Performance-TDS2274A-1270M

## 20110071DC

▷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 1 270.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 1270.0000	-15.330	1> 1270.0000	-2.481
2: 1248.0667	-3.968	2: 1248.0667	-5.487
3: 1292.2000	-4.220	3: 1292.2000	-5.440
4: 1170.0000	-0.109	4: 1170.0000	-27.012
5: 1368.2000	-0.191	5: 1368.2000	-24.650