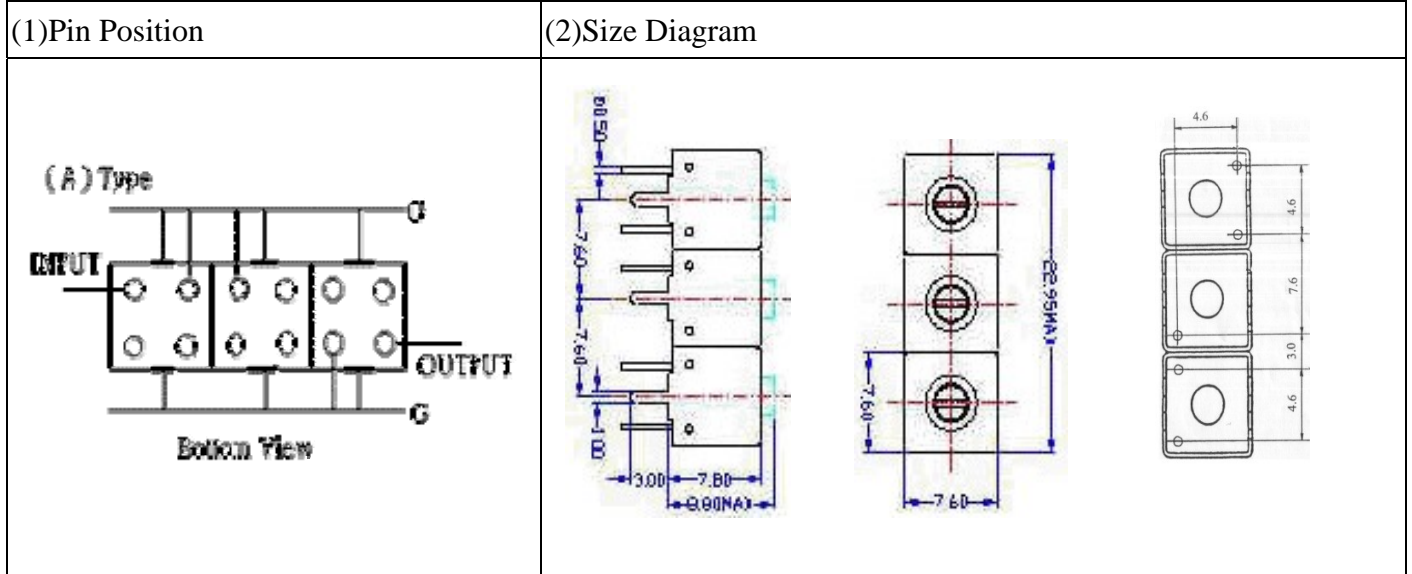


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3275A-1270M
Approval No. /dated	20112018B	Acceptable Specify Fo. Range	1251~1300MHz
Work Instruction No.	20112018B	Date	2001.12.13



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1270 MHz	1270 MHz	
Tunable Range	1270 ±10 MHz	1270 ±10 MHz	
Insertion Loss	Typ. 4.5 dB	3.5 dB	
-3 dB Bandwidth	Typ. 20 MHz	26 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 47 dBc	50 dBc
	Fo + 100 MHz	Typ. 38 dBc	41 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	21.3 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

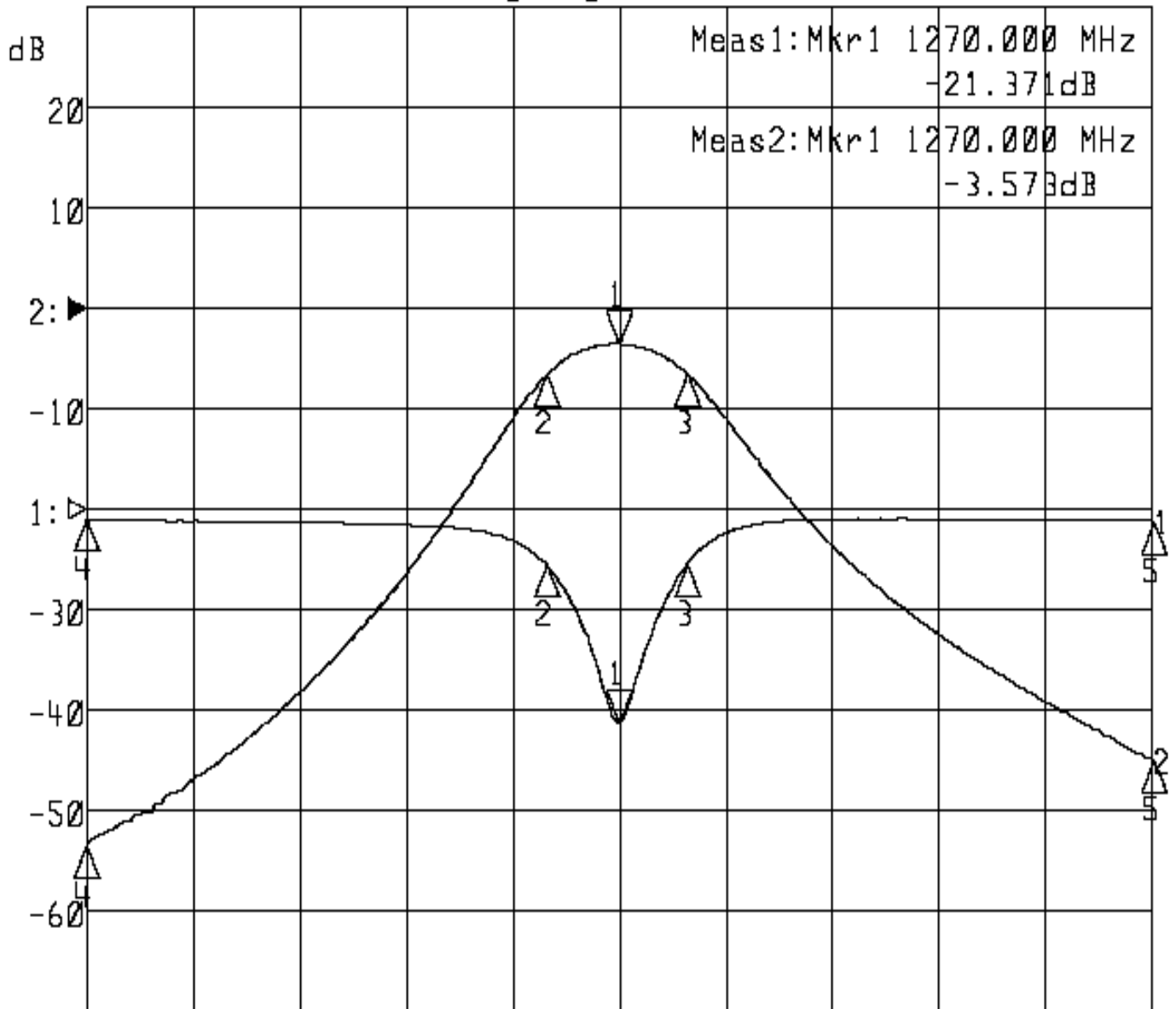
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S3S(4*4.5) 7S046LB4

TEMWELL CORPORATION

Performance-TTS3275A-1270M

20112018B

►1:S11 Refl Port1 Log Mag 10.0 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	-21.371	1 > 1270.0000	-3.573
2: 1256.4667	-5.617	2: 1256.4667	-6.573
3: 1282.9333	-5.380	3: 1282.9333	-6.546
4: 1170.0000	-1.102	4: 1170.0000	-53.394
5: 1370.0000	-1.154	5: 1370.0000	-44.932