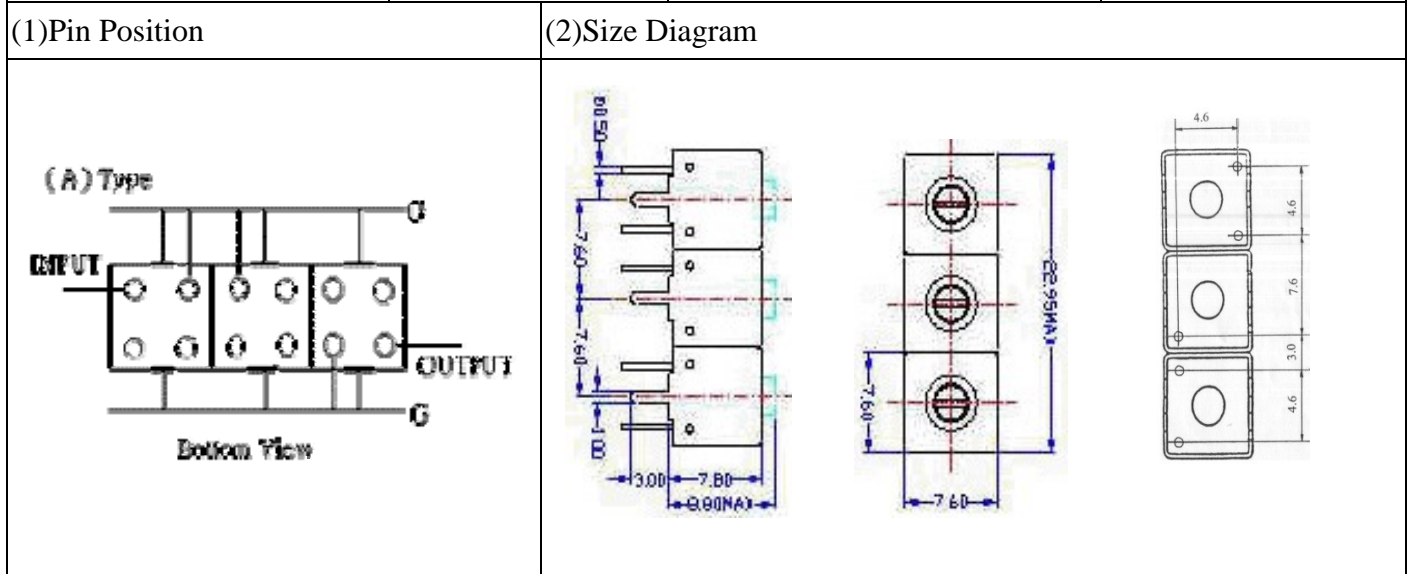


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3271A-1270M
Approval No. /dated	20106019DB	Acceptable Specify Fo. Range	1251~1300MHz
Work Instruction No.	20106019DB	Date	2001.07.09



(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	3.4 dB	
-3 dB Bandwidth	Typ. 75 MHz	83 MHz	
Sensitivity (Attenuation)	Fo - 150 MHz	Typ. 40 dBc	43 dBc
	Fo + 150 MHz	Typ. 33 dBc	36 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	37.2 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

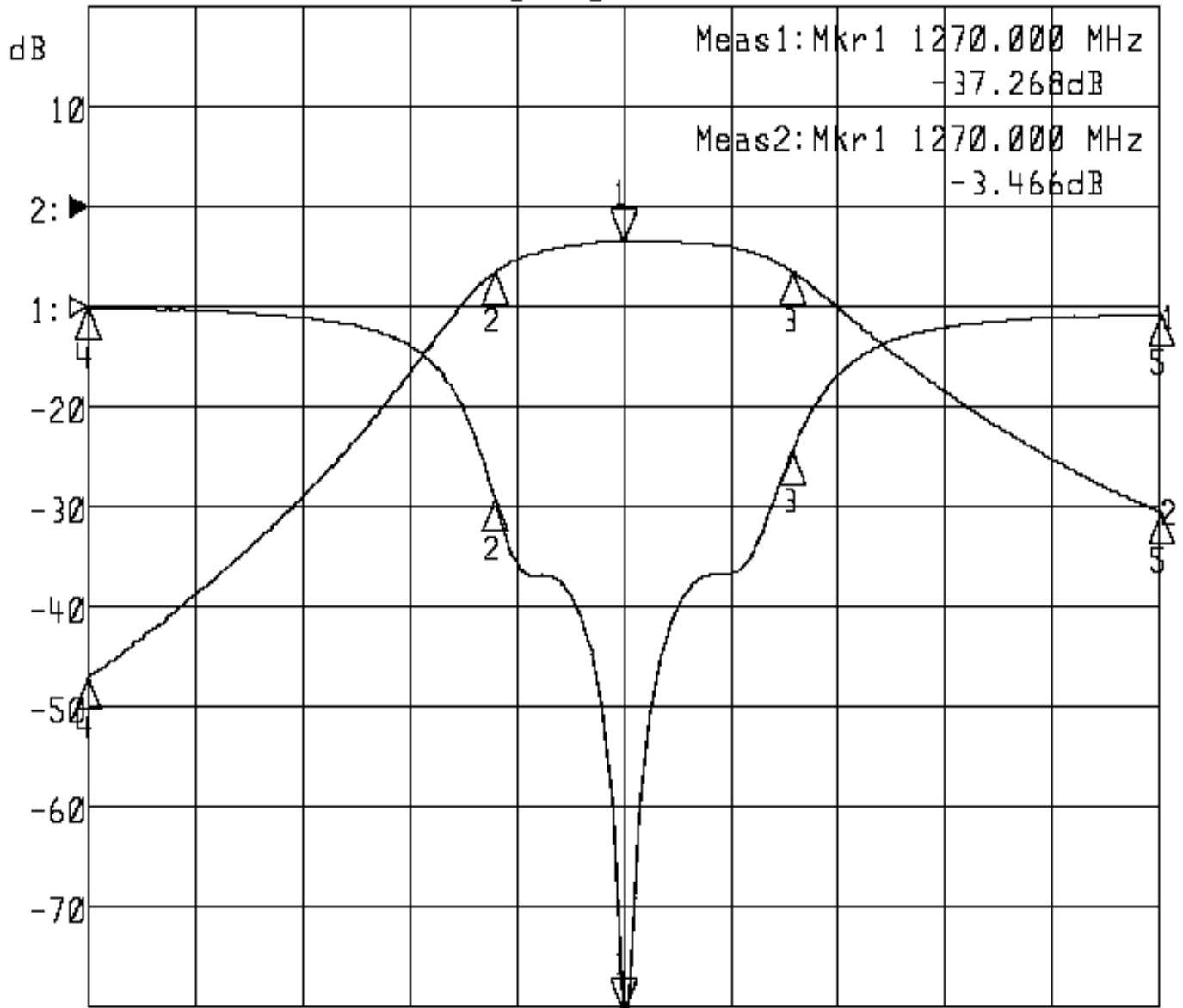
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7H3S(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance- TTS3271A-1270M

20106019DB

►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 300.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1270.0000	-37.268	1> 1270.0000	-3.466
2: 1234.1000	-9.664	2: 1234.1000	-6.496
3: 1317.2000	-7.254	3: 1317.2000	-6.435
4: 1120.0000	-0.051	4: 1120.0000	-47.073
5: 1420.0000	-0.409	5: 1420.0000	-30.404