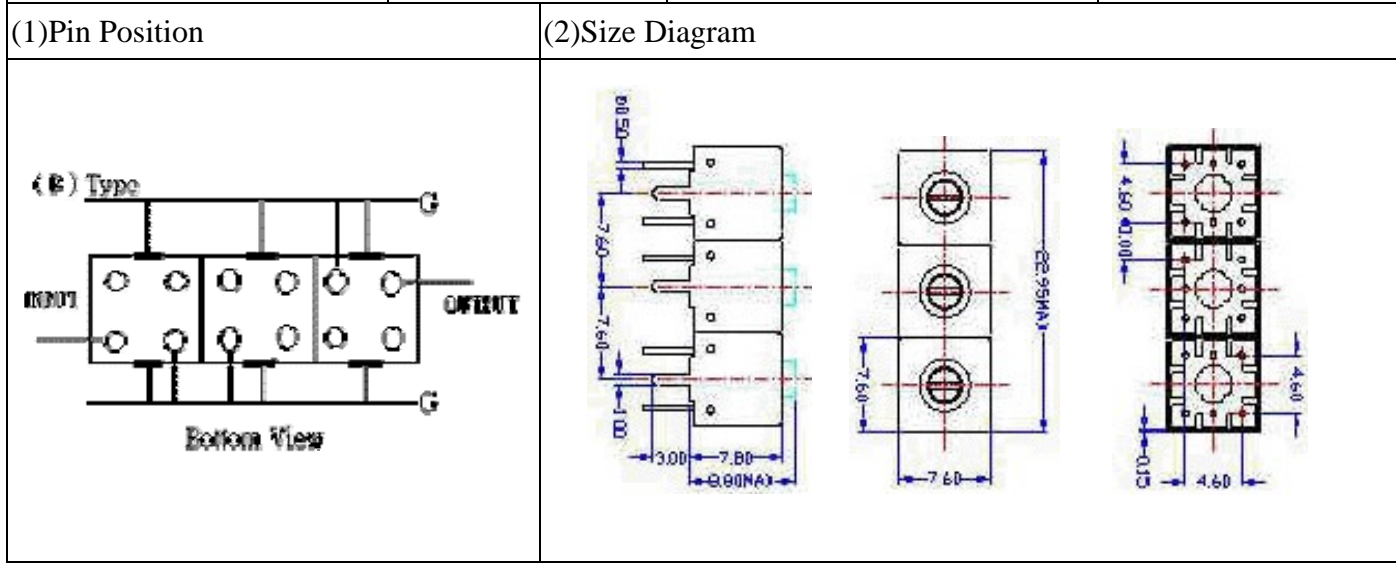


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3027B-270.5M
Approval No. /dated	20105007DB	Acceptable Specify Fo. Range	246~275MHz
Work Instruction No.	20105007DB	Date	2001.05.09



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	270.5 MHz	270.5 MHz	
Tunable Range	270.5±4 MHz	270.5±4 MHz	
Insertion Loss	Typ. 6.0 dB	4.9 dB	
-1 dB Bandwidth	Typ. 6.0 MHz	9.0 MHz	
-3 dB Bandwidth	Typ. 11 MHz	14 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 55 dBc	60 dBc
	Fo + 50 MHz	Typ. 75 dBc	80 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	17 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

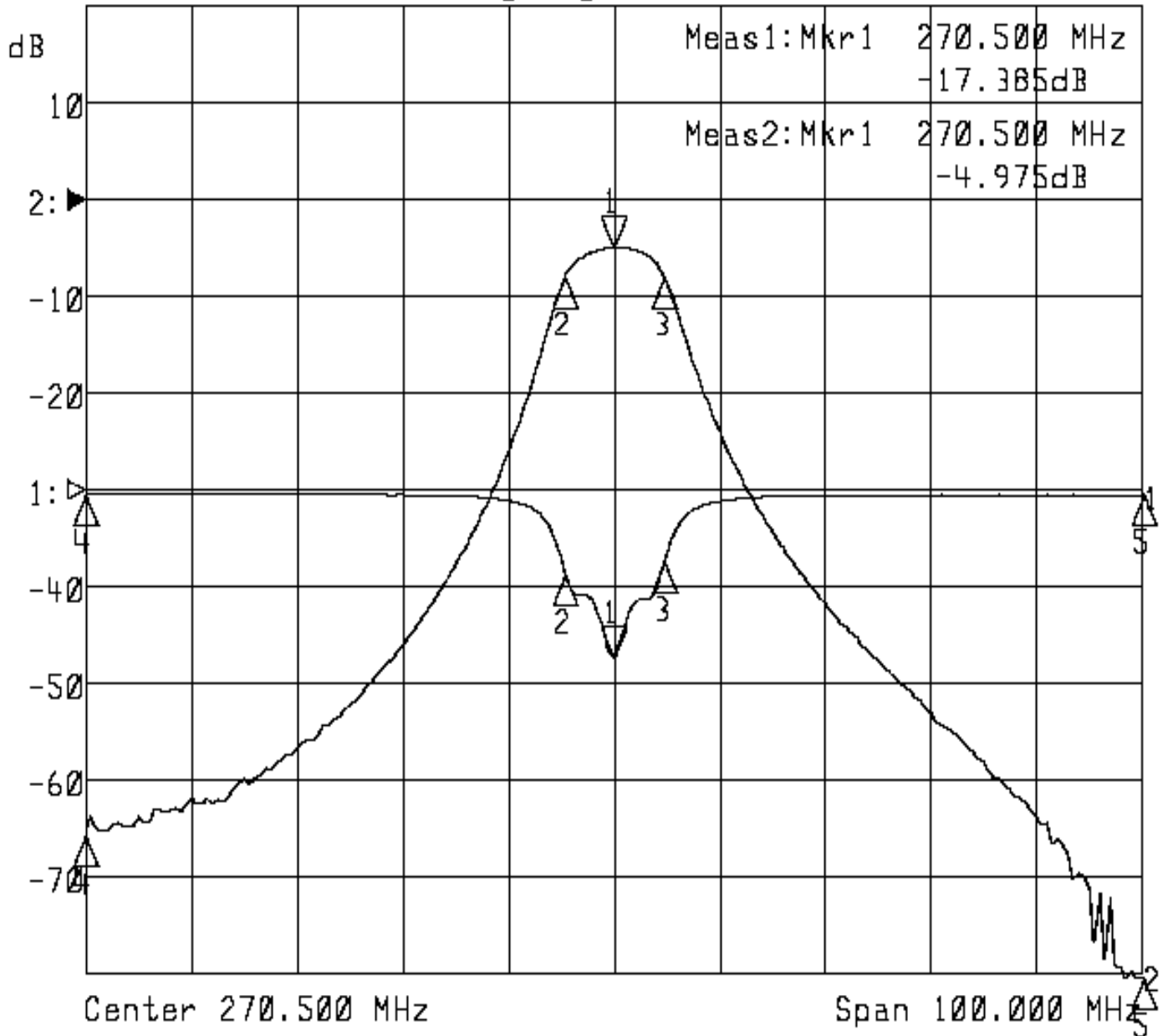
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S3S(4*3.5) 7S024RB5.5

TEMWELL CORPORATION

Performance- TTS3027B-270.5M

20105007DB

▷1:S11 Refl Port1 Log Mag 10.0 dB/ Ref 0.00 dB
▼2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB



1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 270.5000	-17.385	1> 270.5000	-4.975
2: 265.9333	-8.655	2: 265.9333	-7.925
3: 275.2333	-7.553	3: 275.2333	-7.905
4: 220.5000	-0.436	4: 220.5000	-65.777
5: 320.5000	-0.595	5: 320.5000	-85.138