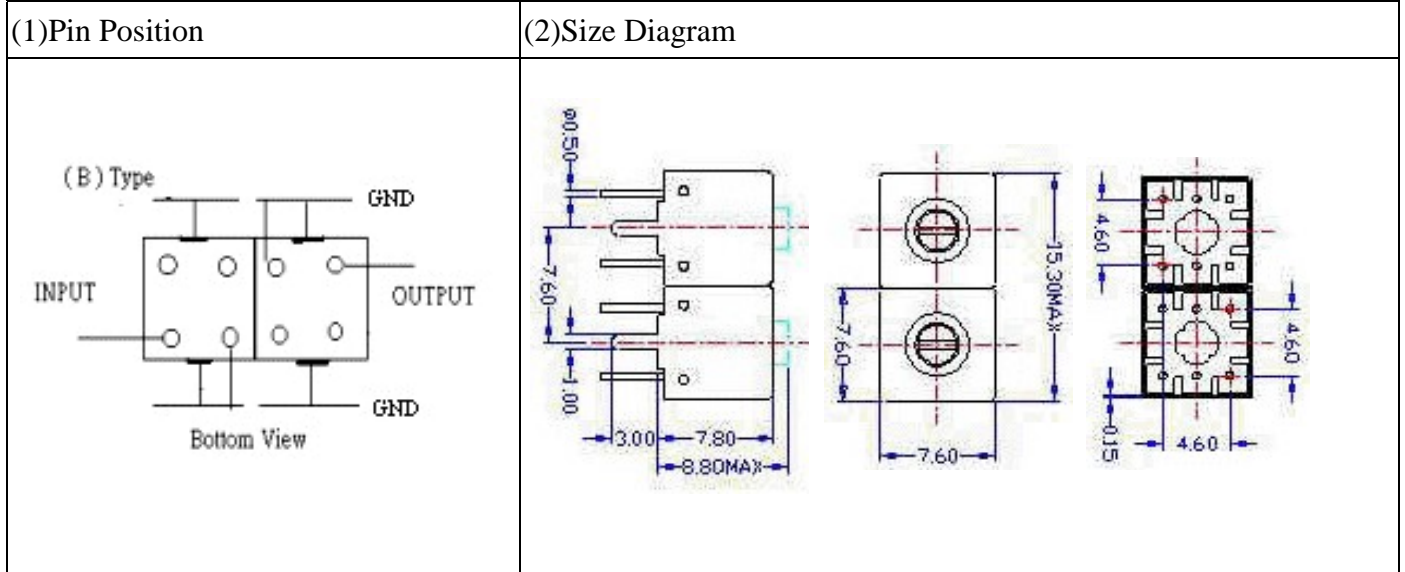


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2027B-270.9M
Approval No. /dated	20106012B	Acceptable Specify Fo. Range	246~275MHz
Work Instruction No.	20106012B	Date	2001.06.11



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	270.9 MHz	270.9 MHz	
Tunable Range	270.9±4 MHz	270.9±4 MHz	
Insertion Loss	Typ. 3.5 dB	2.7 dB	
-3 dB Bandwidth	Typ. 7 MHz	9.0 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 50 dBc	53 dBc
	Fo + 50 MHz	Typ. 38 dBc	41 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	18 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*3.5) 7S024RB5.5

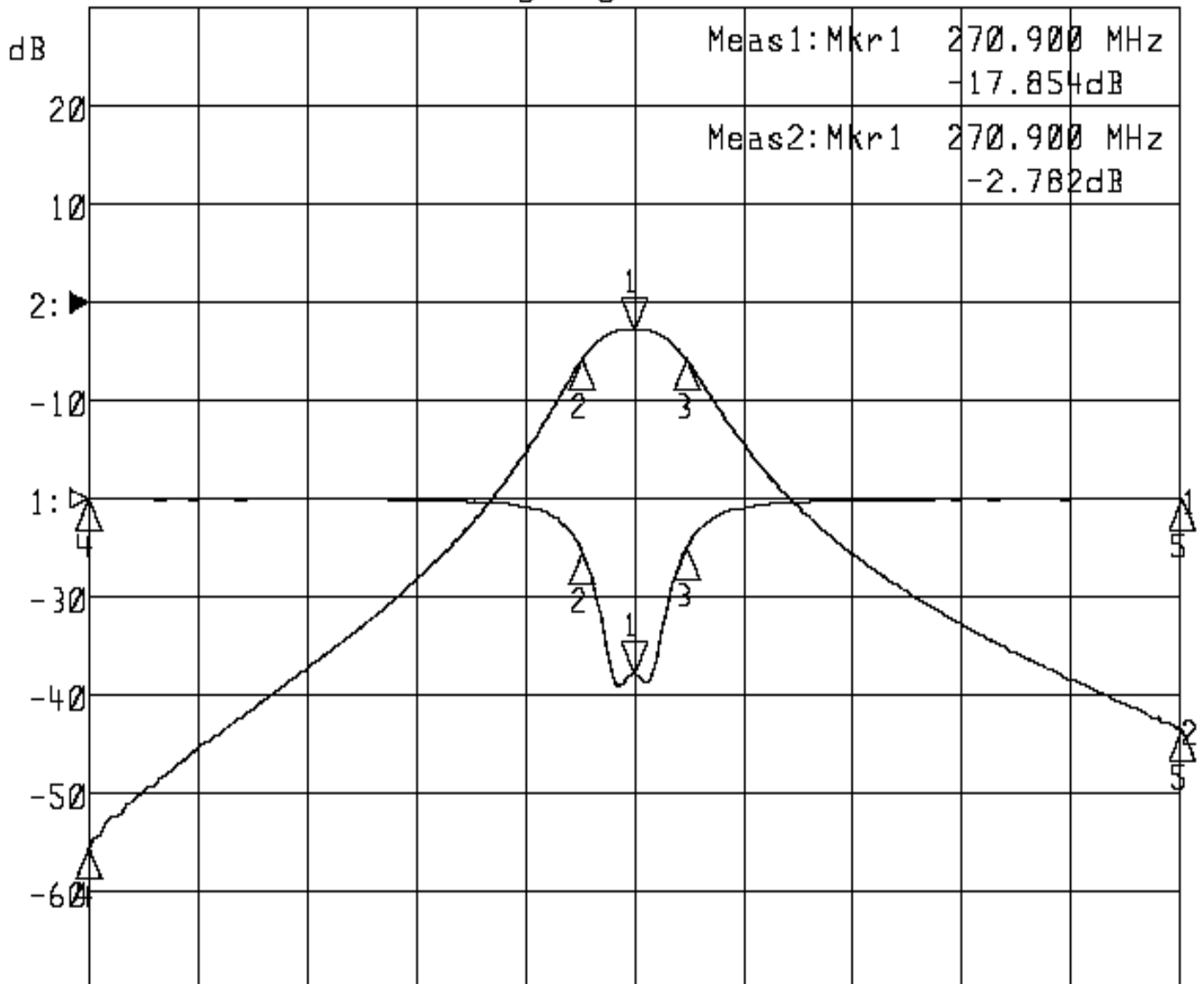
TEMWELL CORPORATION

Performance-TDS2027B-270.9M

20106012B

▶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 270.900 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 270.9000	-17.854	1> 270.9000	-2.782
2: 266.1667	-5.380	2: 266.1667	-5.783
3: 275.7000	-4.983	3: 275.7000	-5.775
4: 220.9000	-0.100	4: 220.9000	-55.490
5: 320.9000	-0.076	5: 320.9000	-43.564