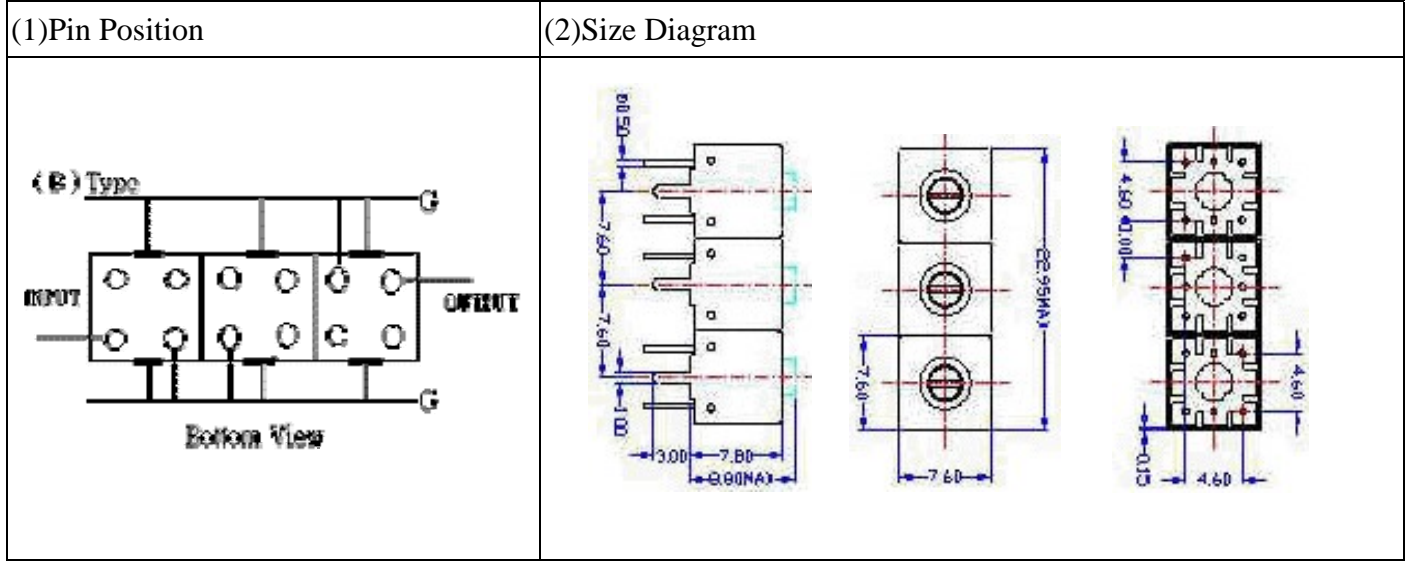


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3025B-268M
Approval No. /dated	20102066DC	Acceptable Specify Fo. Range	246~275MHz
Work Instruction No.	20102066DC	Date	2001.02.21



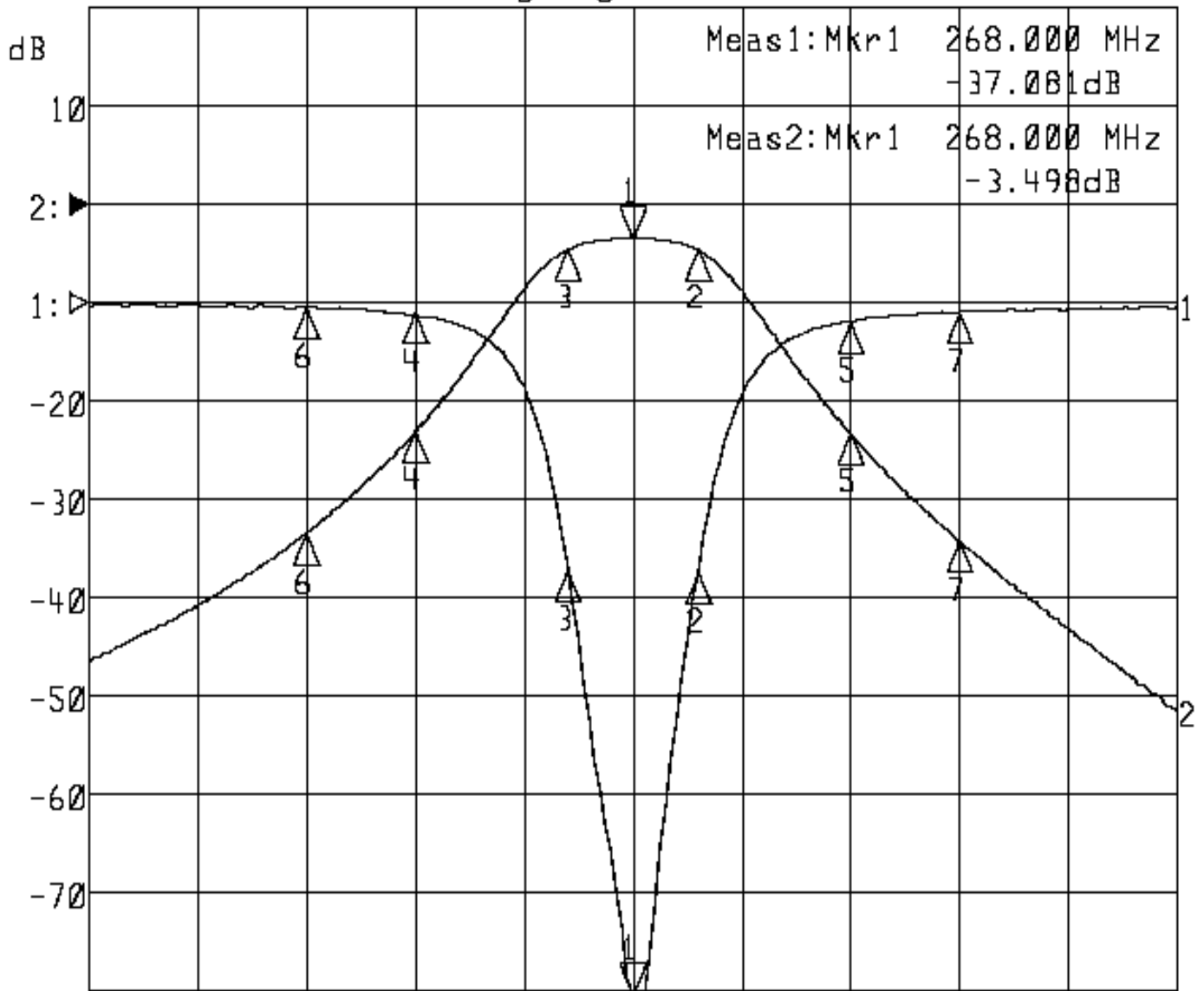
(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo ) +/- 0.5 %		268 MHz	268 MHz
Tunable Range		268±4 MHz	268±4 MHz
Insertion Loss		Typ. 4.5 dB	3.5 dB
-1 dB Bandwidth		Typ. 9.5 MHz	12 MHz
-3 dB Bandwidth		Typ. 14.5 MHz	17 MHz
Sensitivity (Attenuation)	Fo - 20 MHz	Typ. 17 dBc	20 dBc
	Fo + 20 MHz	Typ. 17 dBc	20 dBc
	Fo - ( 30 )MHz	Typ. 27 dBc	30 dBc
	Fo +( 30 )MHz	Typ. 28 dBc	31 dBc
Return Loss		Min. 12 dB	37.0 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		> 1 Watt	
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S3S (4*4.5) 7S00LB5.5

TEMWELL CORPORATION

# Performance-TTS3025B-268M

## 20102066DC

▶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 268.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 268.0000	-37.081	1> 268.0000	-3.498
2: 273.9000	-13.785	2: 273.9000	-4.570
3: 262.1000	-13.674	3: 262.1000	-4.550
4: 248.0000	-0.555	4: 248.0000	-23.103
5: 288.0000	-0.971	5: 288.0000	-23.348
6: 238.0000	-0.262	6: 238.0000	-33.413
7: 298.0000	-0.504	7: 298.0000	-34.280