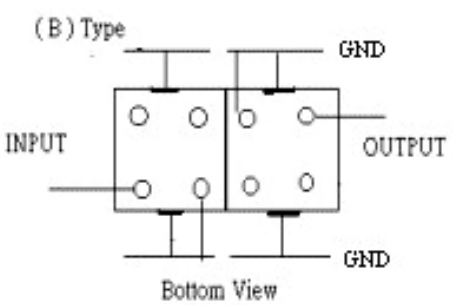
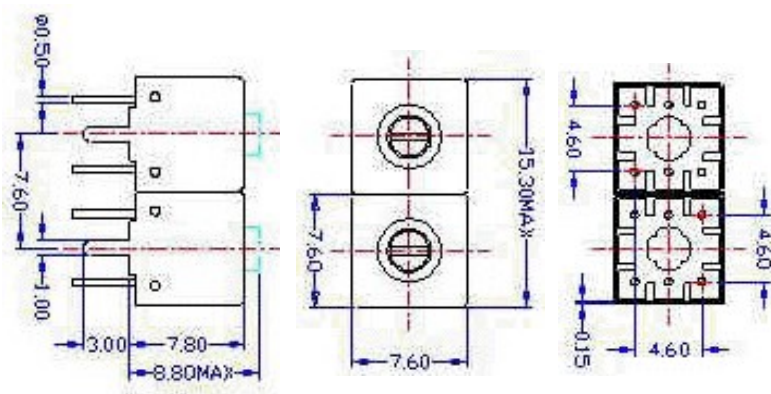


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2025B-268M
Approval No. /dated	20105009DC	Acceptable Specify Fo. Range	246~275MHz
Work Instruction No.	20105009DC	Date	2001.05.09

(1)Pin Position	(2)Size Diagram
 <p>(B) Type INPUT OUTPUT GND GND Bottom View</p>	 <p>Dimensions: 7.60, 1.00, 3.00, 7.80, 8.80MAX, 7.60, 15.30MAX, 4.60, 0.15</p>

### (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	3.7 dB	
-3 dB Bandwidth	Typ. 7 MHz	9 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 60 dBc	65 dBc
	Fo + 50 MHz	Typ. 45 dBc	48 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

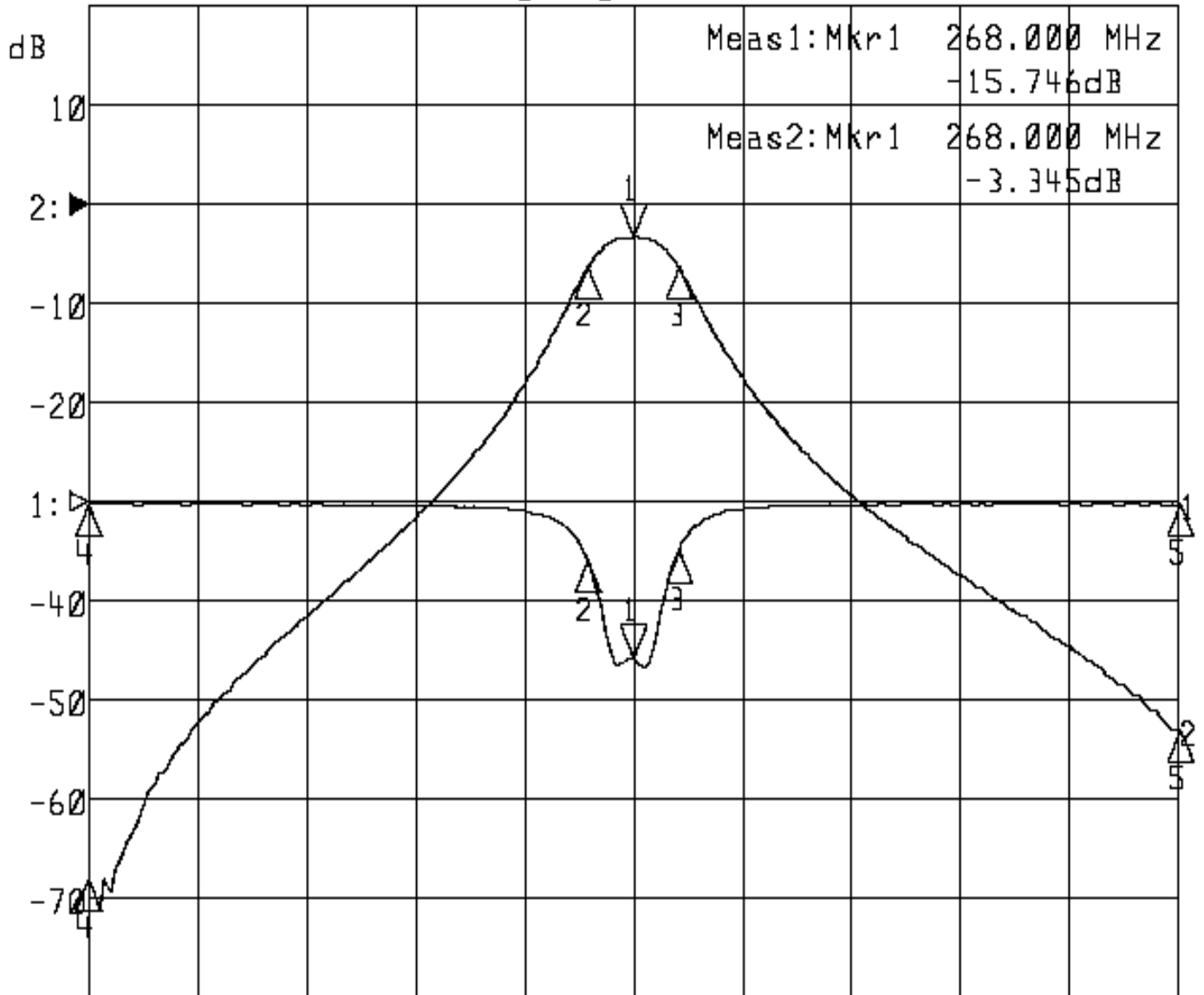
TEMWELL CORPORATION

# Performance- TDS2025B-268M

## 20105009DC

▶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 268.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 268.0000	-15.746	1> 268.0000	-3.345
2: 263.8333	-5.929	2: 263.8333	-6.363
3: 272.1333	-4.950	3: 272.1333	-6.287
4: 218.0000	-0.226	4: 218.0000	-68.067
5: 318.0000	-0.349	5: 318.0000	-53.124