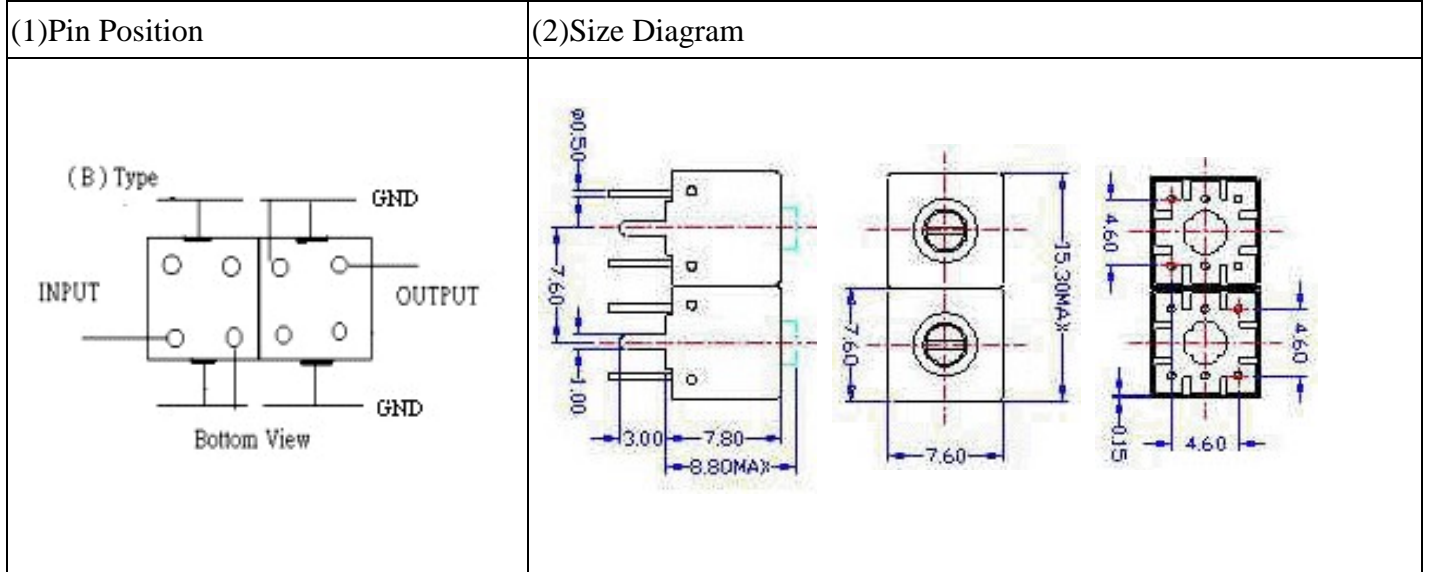


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2048B-315M
Approval No. /dated	20107032DC	Acceptable Specify Fo. Range	311~355MHz
Work Instruction No.	20107032DC	Date	2001.07.13



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	315 MHz	315 MHz	
Tunable Range	315±3 MHz	315±3 MHz	
Insertion Loss	Typ. 2.0 dB	1.4 dB	
-3 dB Bandwidth	Typ. 30 MHz	33 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 14 dBc	17 dBc
	Fo + 50 MHz	Typ. 19 dBc	22 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	22 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*5.2) 7S00LB6

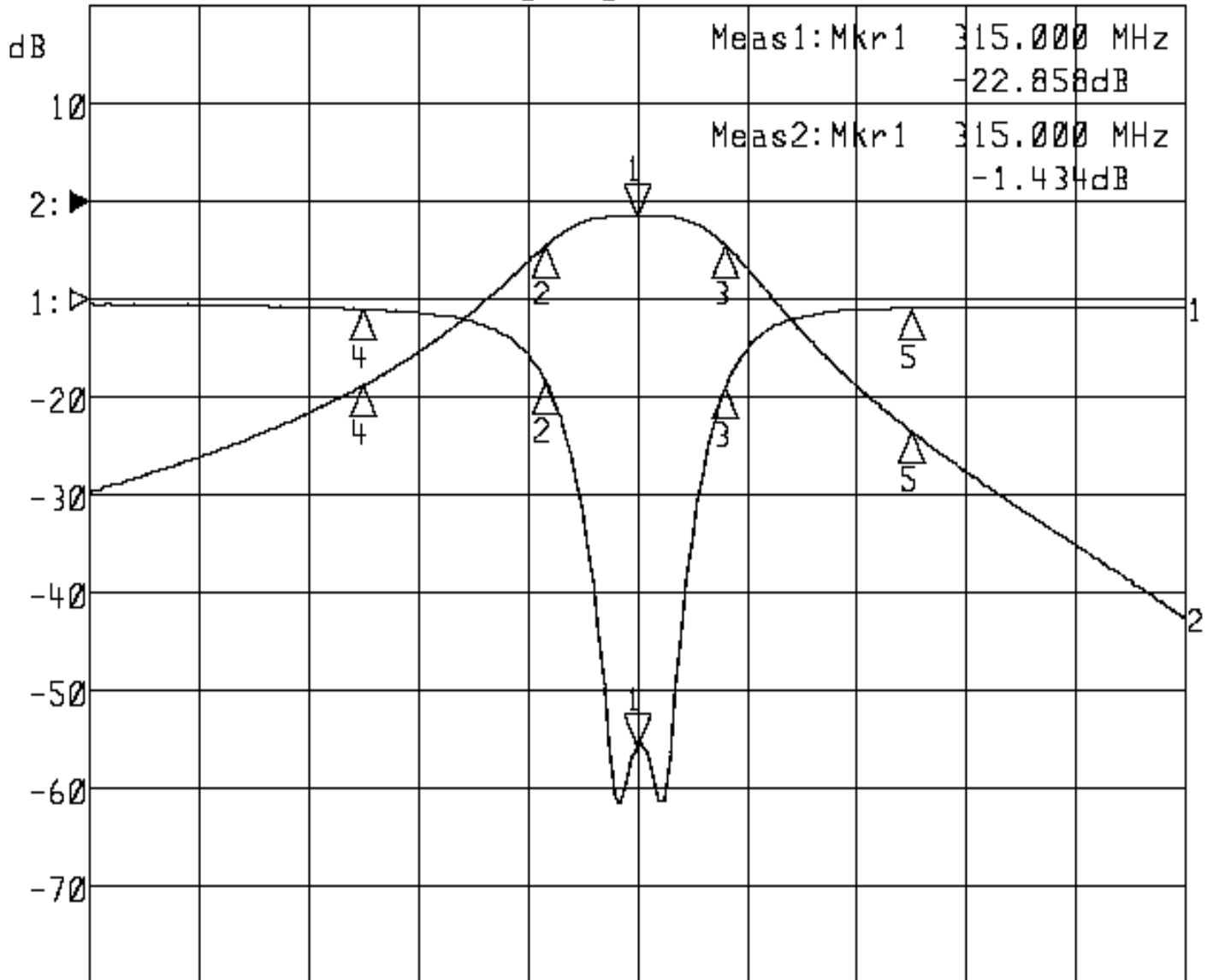
TEMWELL CORPORATION

Performance-TDS2048B-315M

20107032DC

▷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 315.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 315.0000	-22.858	1> 315.0000	-1.434
2: 298.4000	-4.231	2: 298.4000	-4.469
3: 331.0667	-4.499	3: 331.0667	-4.418
4: 265.0000	-0.509	4: 265.0000	-18.826
5: 365.0000	-0.463	5: 365.0000	-23.495