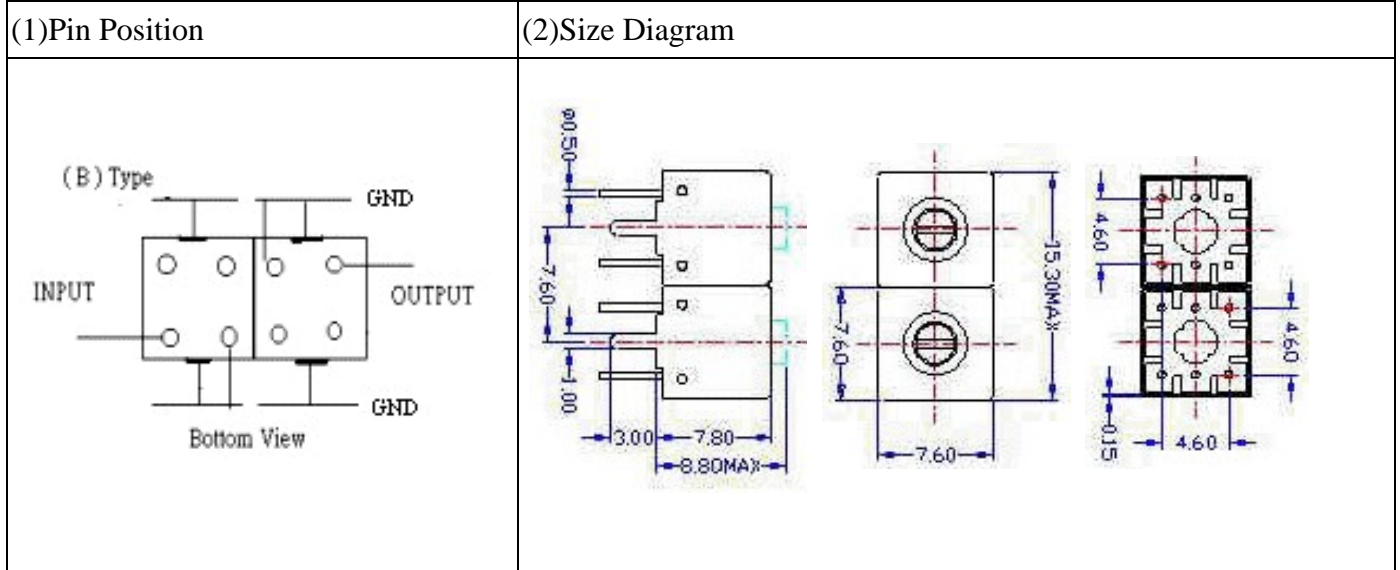


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2058B-400M
Approval No. /dated	20104067DB	Acceptable Specify Fo. Range	356~400MHz
Work Instruction No.	20104067DB	Date	2001.04.20



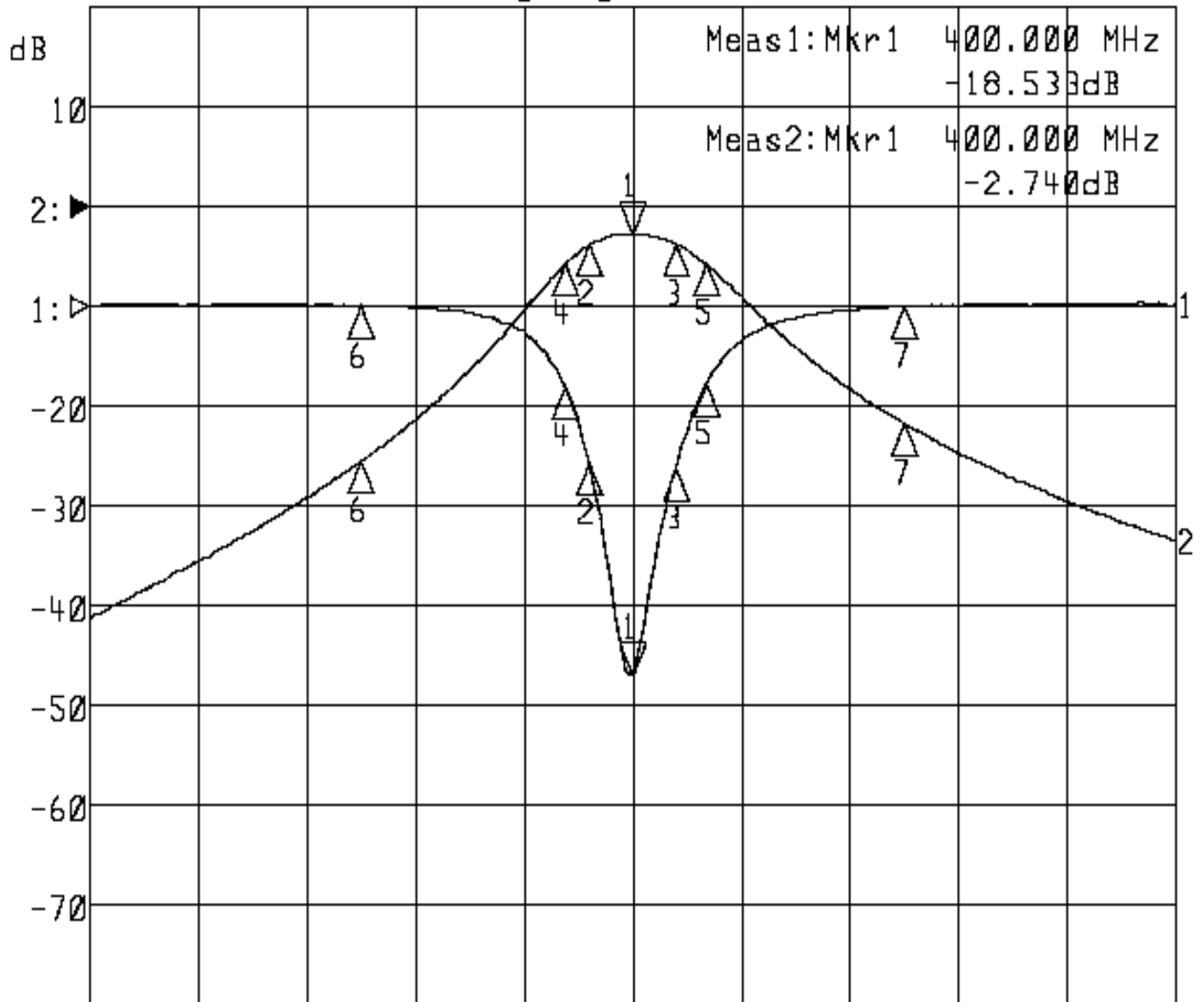
(3) Electric Character			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	400 MHz	400 MHz	
Tunable Range	400±5 MHz	400±5 MHz	
Insertion Loss	Typ. 3.5 dB	2.7 dB	
-3 dB Bandwidth	Typ. 11 MHz	15 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 19 dBc	22 dBc
	Fo + 50 MHz	Typ. 16 dBc	19 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	18.5 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-TDS2058B-400M

20104067DB

▶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 400.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 400.0000	-18.533	1> 400.0000	-2.740
2: 392.0667	-7.926	2: 392.0667	-3.809
3: 407.8000	-8.186	3: 407.8000	-3.710
4: 387.5333	-3.998	4: 387.5333	-5.800
5: 413.4667	-3.923	5: 413.4667	-5.716
6: 350.0000	0.055	6: 350.0000	-25.515
7: 450.0000	-0.008	7: 450.0000	-21.750