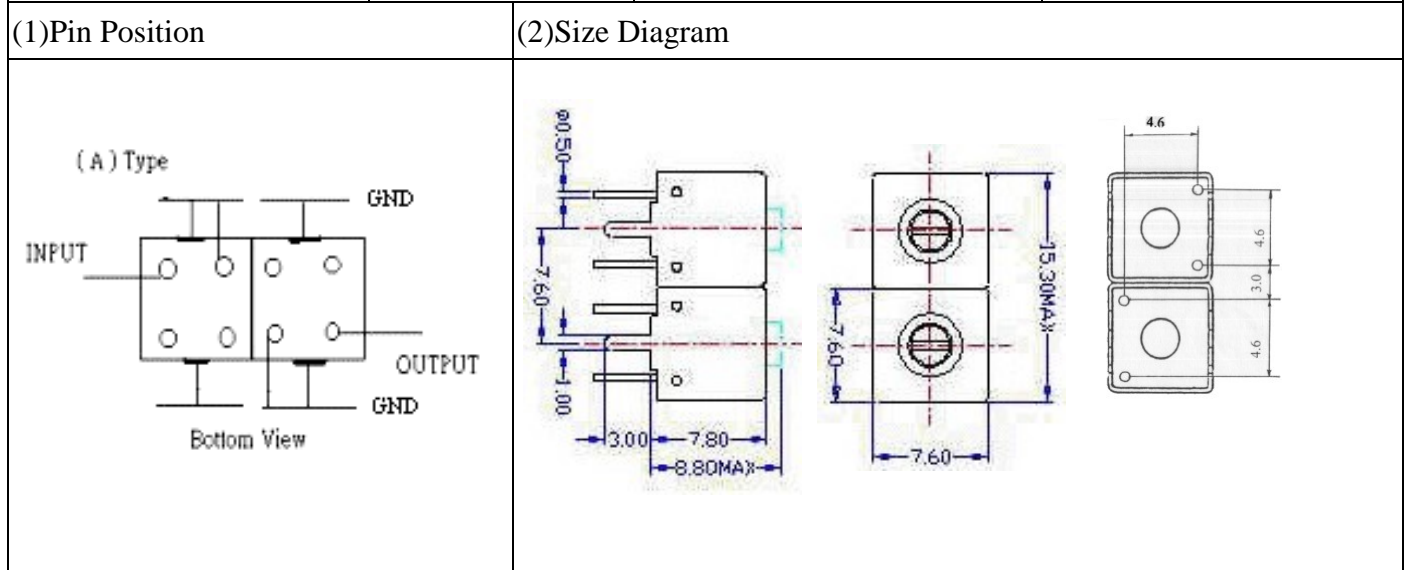


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2143A-777.5M
Approval No. /dated	20103107DB	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	20103107DB	Date	2001.04.17

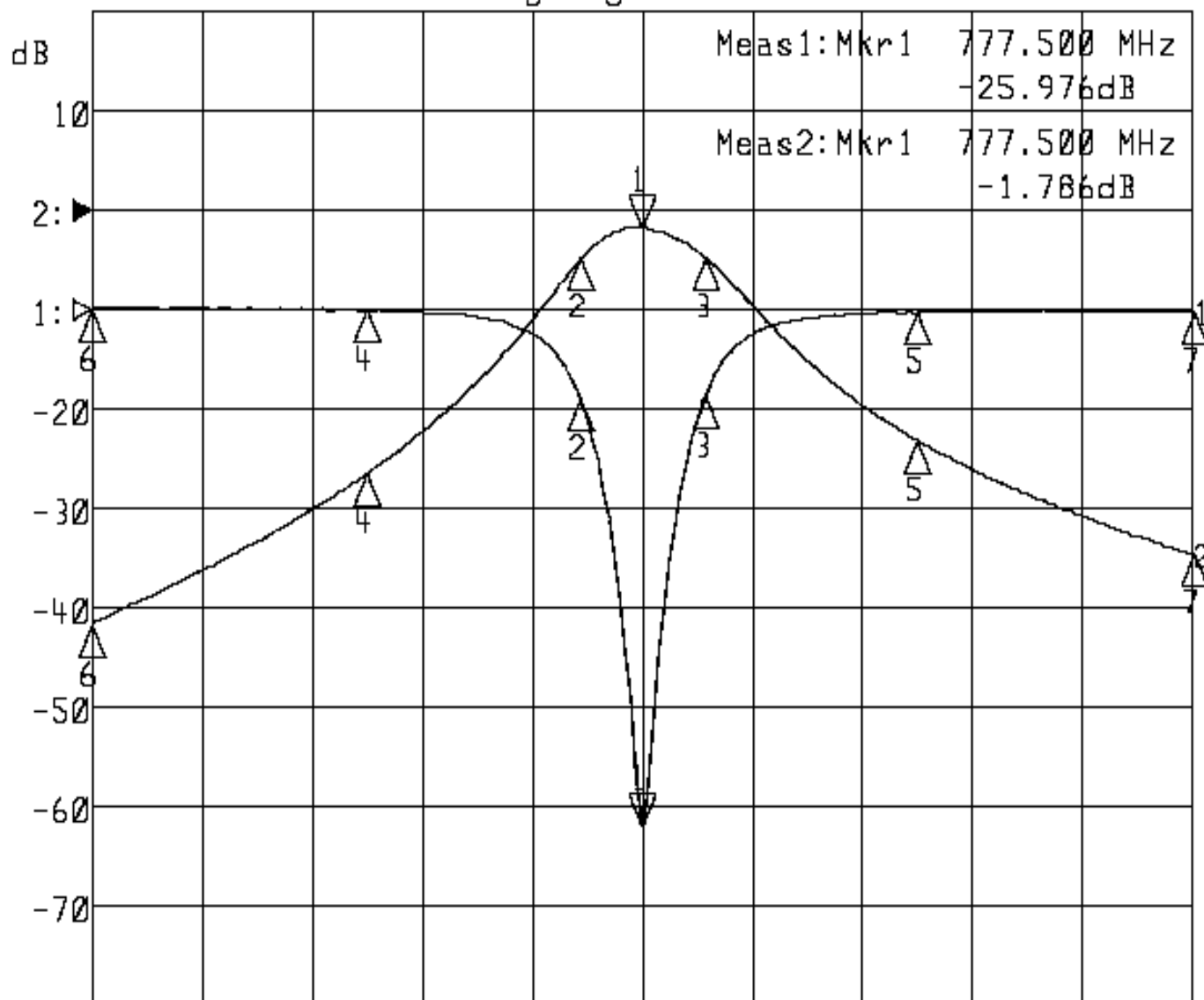


(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		777.5 MHz	777.5 MHz
Tunable Range		777.5±5 MHz	777.5±5 MHz
Insertion Loss		Typ. 2.5 dB	1.7 dB
-3 dB Bandwidth		Typ. 18 MHz	22 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 21 dBc	24 dBc
	Fo + 50 MHz	Typ. 18 dBc	21 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	25.9 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) 7S046LB4
TEMWELL CORPORATION			

Performance-TDS2143A-777.5M

20103107DB

▶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 777.500 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 777.5000	-25.976	1> 777.5000	-1.786
2: 766.5000	-4.513	2: 766.5000	-4.800
3: 788.9667	-4.355	3: 788.9667	-4.708
4: 727.5000	-0.055	4: 727.5000	-26.480
5: 827.5000	-0.183	5: 827.5000	-23.153
6: 677.5000	0.056	6: 677.5000	-41.660
7: 877.5000	-0.076	7: 877.5000	-34.602