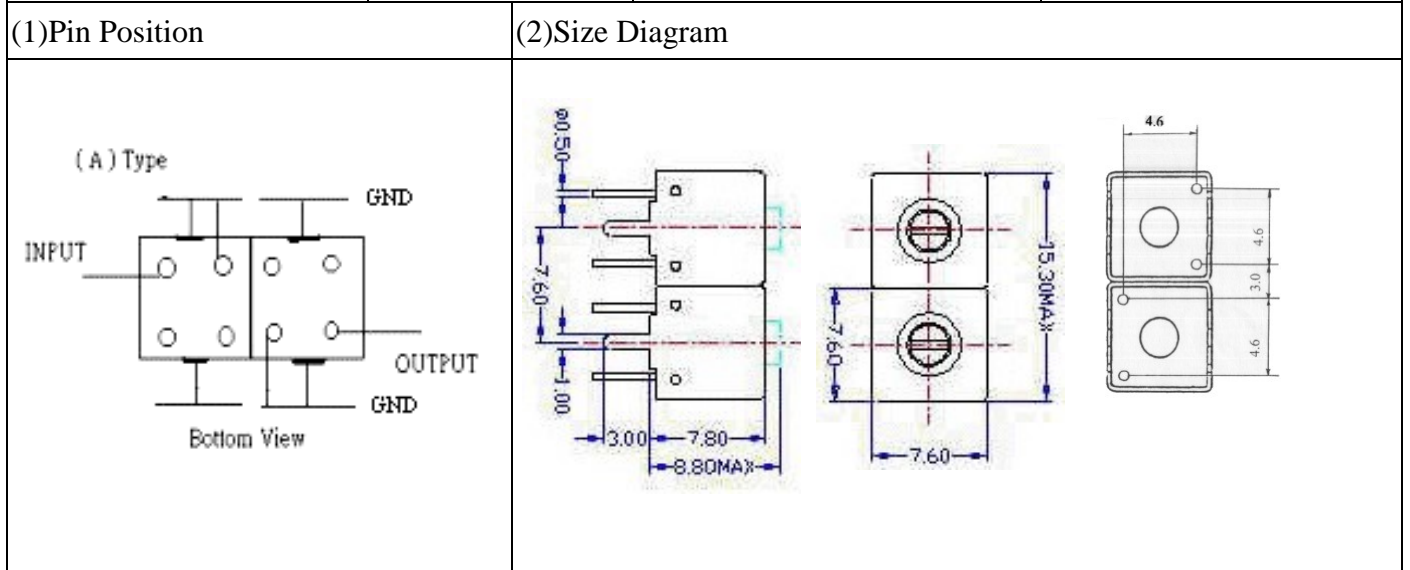


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2114A-650M
Approval No. /dated	20104043DC	Acceptable Specify Fo. Range	641~660MHz
Work Instruction No.	20104043DC	Date	2001.04.18

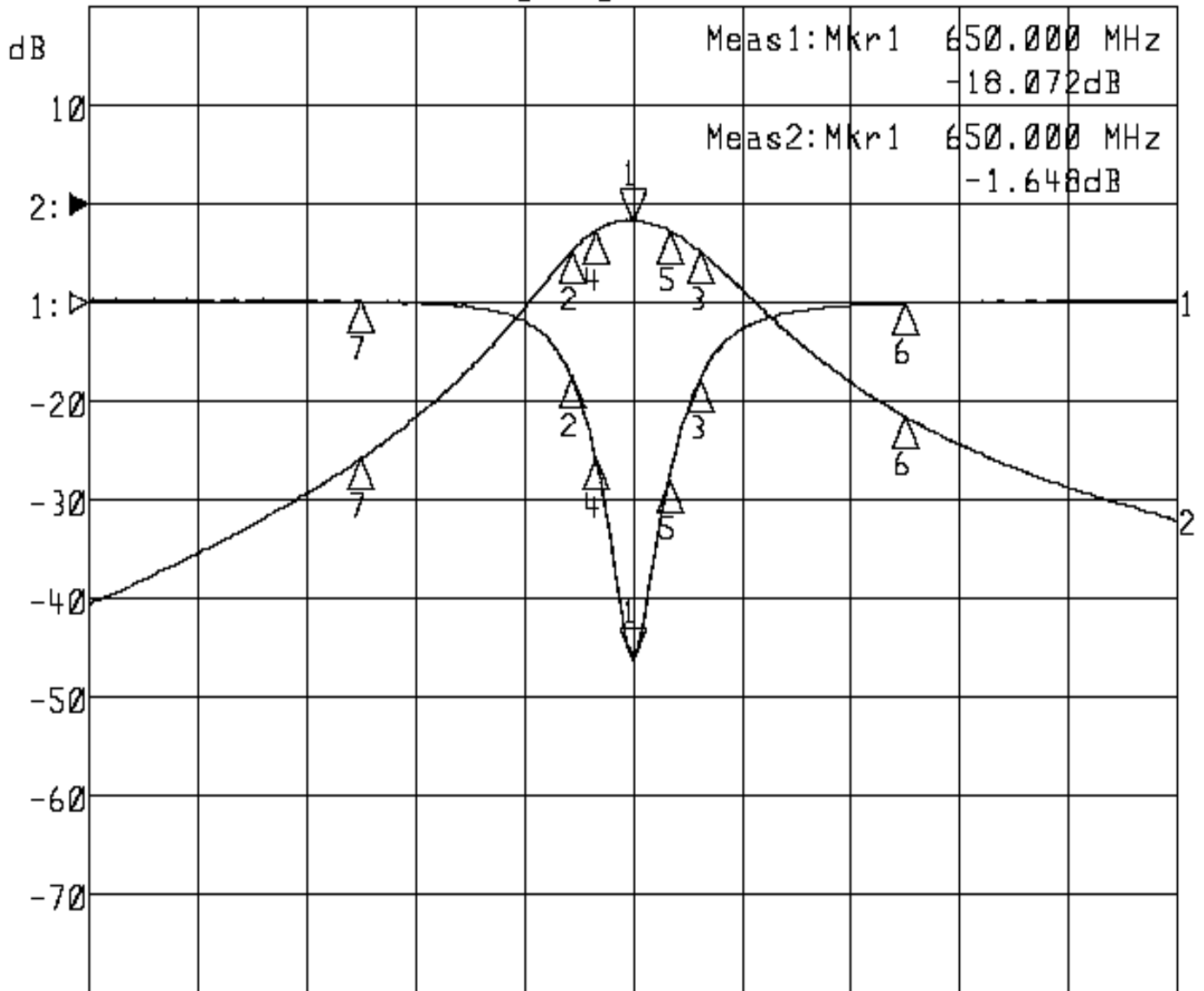


(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		650 MHz	650 MHz
Tunable Range		650±5 MHz	650±5 MHz
Insertion Loss		Typ. 2.5 dB	1.6 dB
-3 dB Bandwidth		Typ. 19 MHz	23 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 16 dBc	19 dBc
	Fo + 50 MHz	Typ. 20 dBc	23 dBc
	Fo - ()MHz	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*5.2) 7S046LB4
TEMWELL CORPORATION			

Performance-TDS2114A-650M

20104043DC

►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 650.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 650.0000	-18.072	1> 650.0000	-1.648
2: 638.7333	-3.767	2: 638.7333	-4.766
3: 662.2667	-3.866	3: 662.2667	-4.728
4: 643.2000	-7.849	4: 643.2000	-2.638
5: 656.6000	-8.967	5: 656.6000	-2.636
6: 700.0000	-0.054	6: 700.0000	-21.519
7: 600.0000	0.103	7: 600.0000	-25.799