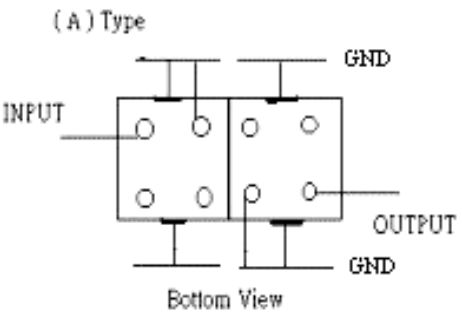
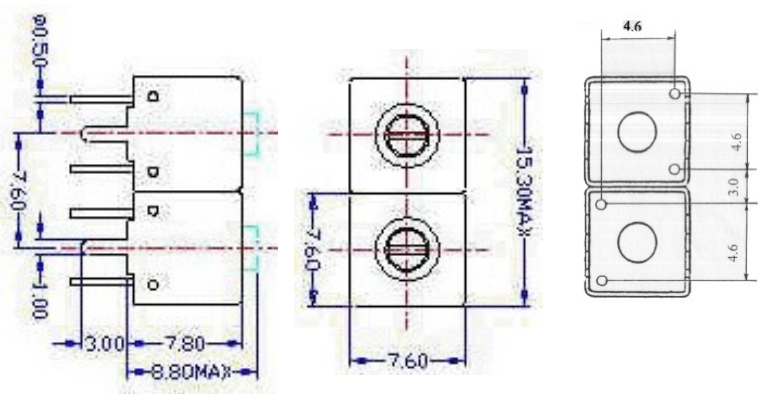


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2144A-800M
Approval No. /dated	20104071DC	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	20104071DC	Date	2001.04.17

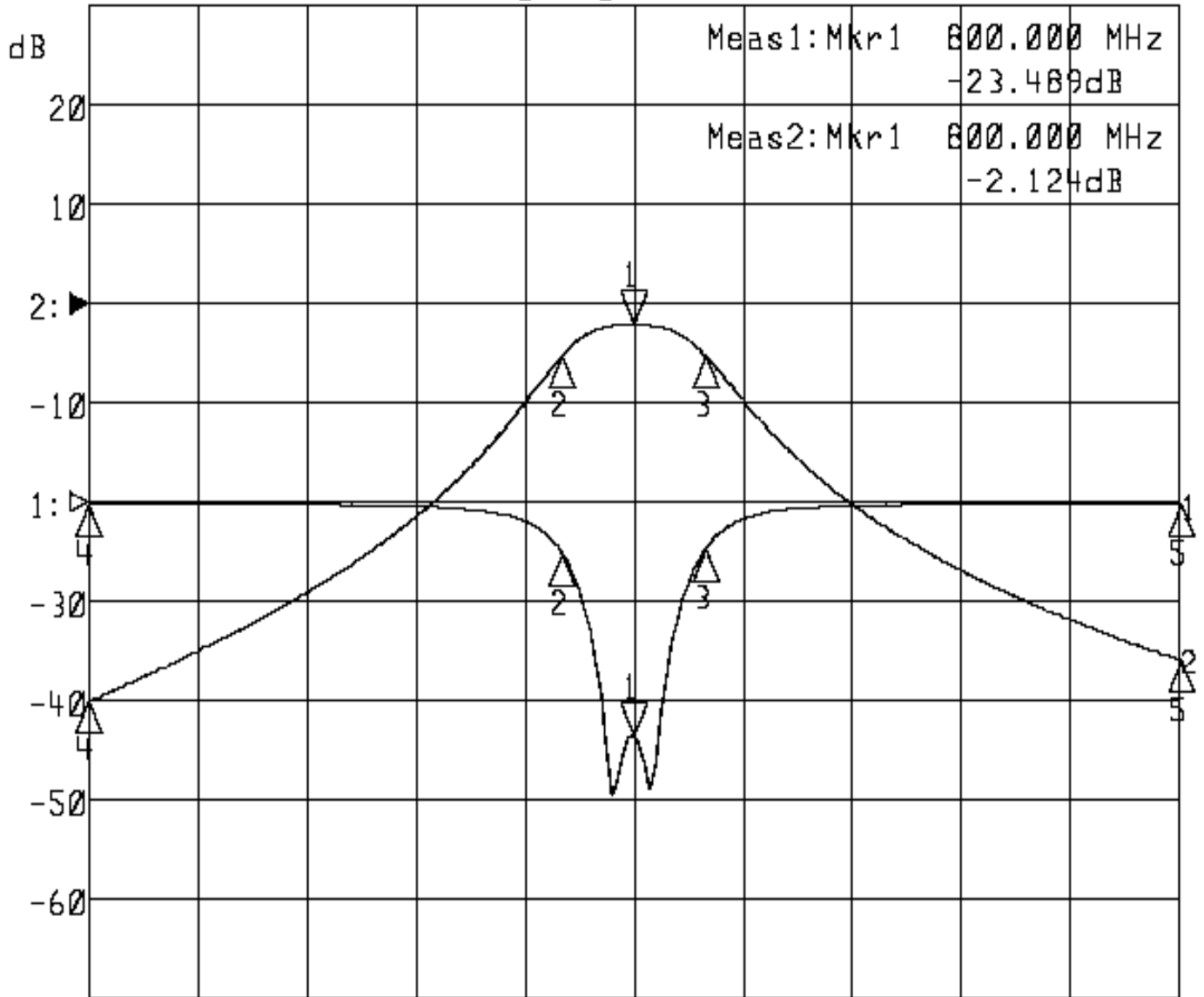
(1)Pin Position	(2)Size Diagram
 <p>(A) Type INPUT GND OUTPUT GND Bottom View</p>	 <p>Dimensions: 15.30MAX, 7.60, 7.60, 4.6, 3.0, 4.6, 8.80MAX, 7.80, 3.00, 1.00, 7.60, 1.00, 1.50</p>

(3)Electric Character					
Item		Specify		Performance	
Center Freq.(Fo) +/- 0.5 %		800 MHz		800 MHz	
Tunable Range		800±10 MHz		800±10 MHz	
Insertion Loss		Typ. 3.0 dB		2.1 dB	
-3 dB Bandwidth		Typ. 22 MHz		26 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 35 dBc		38 dBc	
	Fo + 100 MHz	Typ. 31 dBc		34 dBc	
	Fo - ()MHz	Typ. dBc		dBc	
	Fo +()MHz	Typ. dBc		dBc	
Return Loss		Min. 12 dB		23 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-TDS2144A-800M

20104071DC

▶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 800.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 800.0000	-23.489	1> 800.0000	-2.124
2: 786.9333	-5.179	2: 786.9333	-5.197
3: 813.1333	-4.715	3: 813.1333	-5.224
4: 700.0000	-0.193	4: 700.0000	-40.058
5: 900.0000	-0.272	5: 900.0000	-35.906