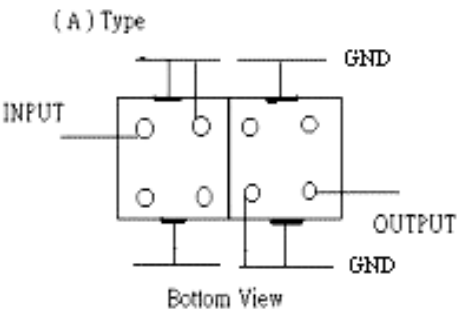
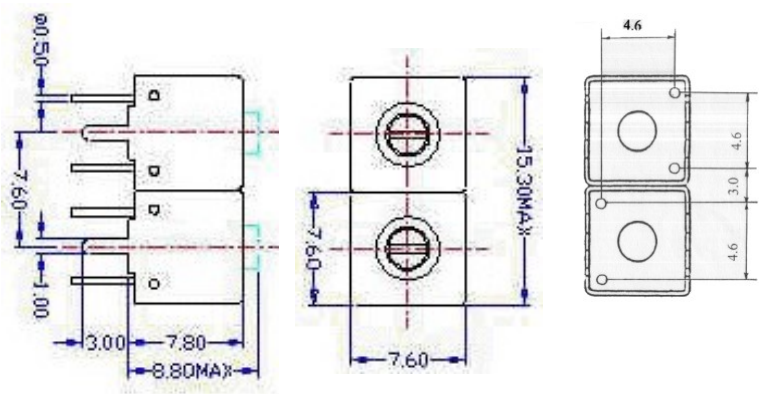


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2147A-775M
Approval No. /dated	20110019DC	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	20110019DC	Date	2001.10.15

(1)Pin Position	(2)Size Diagram
 <p>(A) Type Bottom View</p>	

(3)Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	775 MHz	775 MHz	
Tunable Range	775±3 MHz	775±3 MHz	
Insertion Loss	Typ. 1.5 dB	0.7 dB	
-3 dB Bandwidth	Typ. 50 MHz	58 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 21 dBc	24 dBc
	Fo + 100 MHz	Typ. 15 dBc	18 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	30 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) 7S046LB6

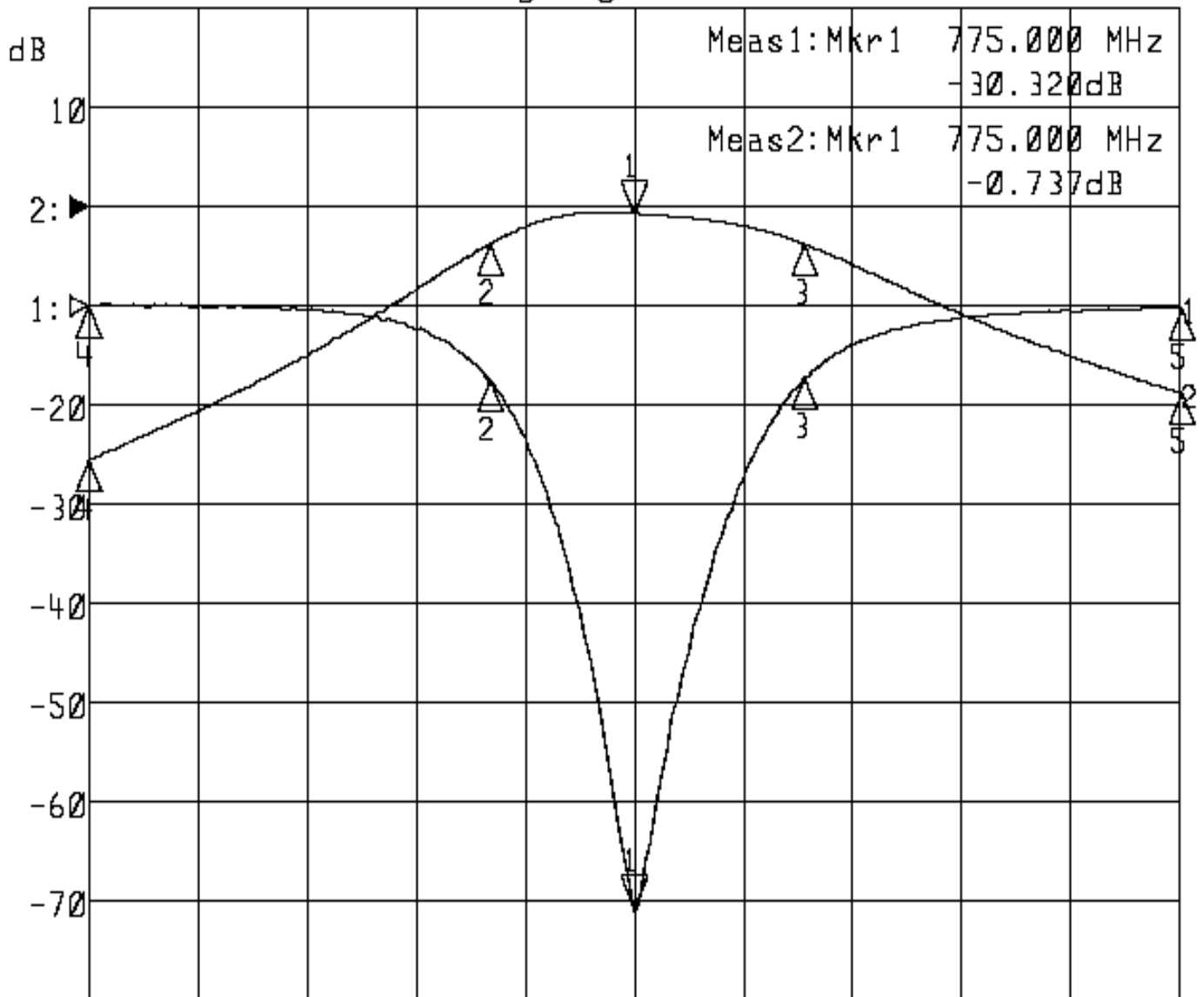
TEMWELL CORPORATION

Performance-TDS2147A-775M

20110019DC

▶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 775.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 775.0000	-30.320	1> 775.0000	-0.737
2: 748.5333	-3.720	2: 748.5333	-3.751
3: 806.3333	-3.671	3: 806.3333	-3.796
4: 675.0000	0.016	4: 675.0000	-25.540
5: 875.0000	-0.142	5: 875.0000	-18.794