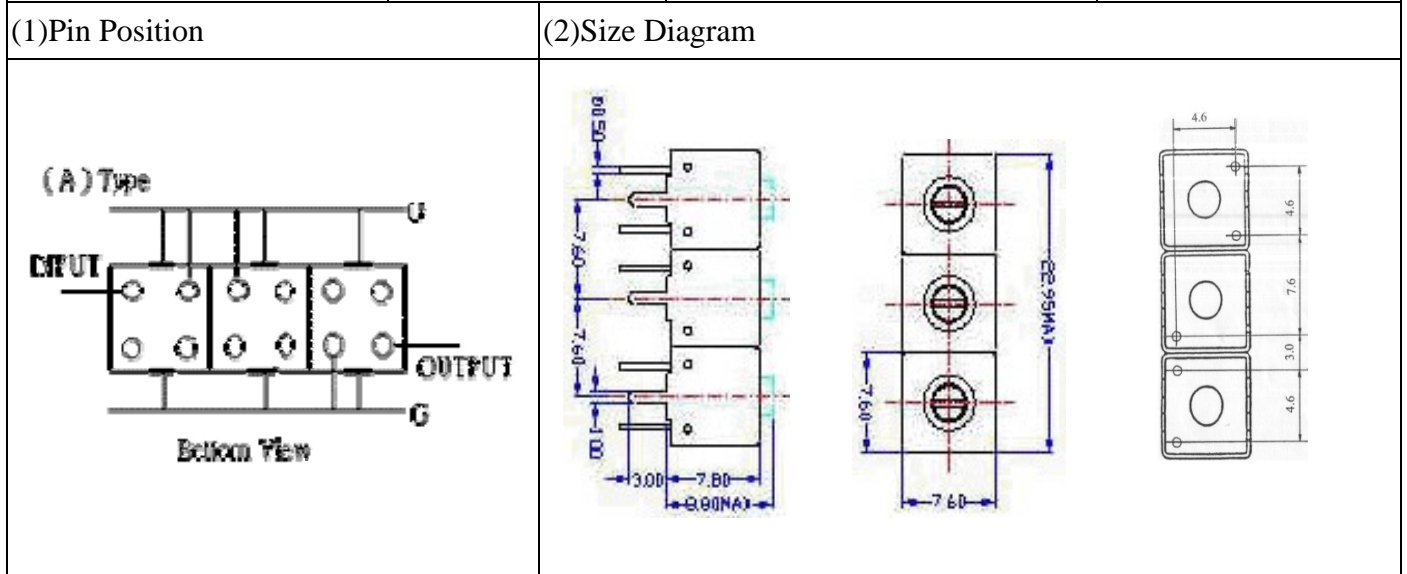


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3147A-775M
Approval No. /dated	20110020DC	Acceptable Specify Fo. Range	751~800MHz
Work Instruction No.	20110020DC	Date	2001.10.15



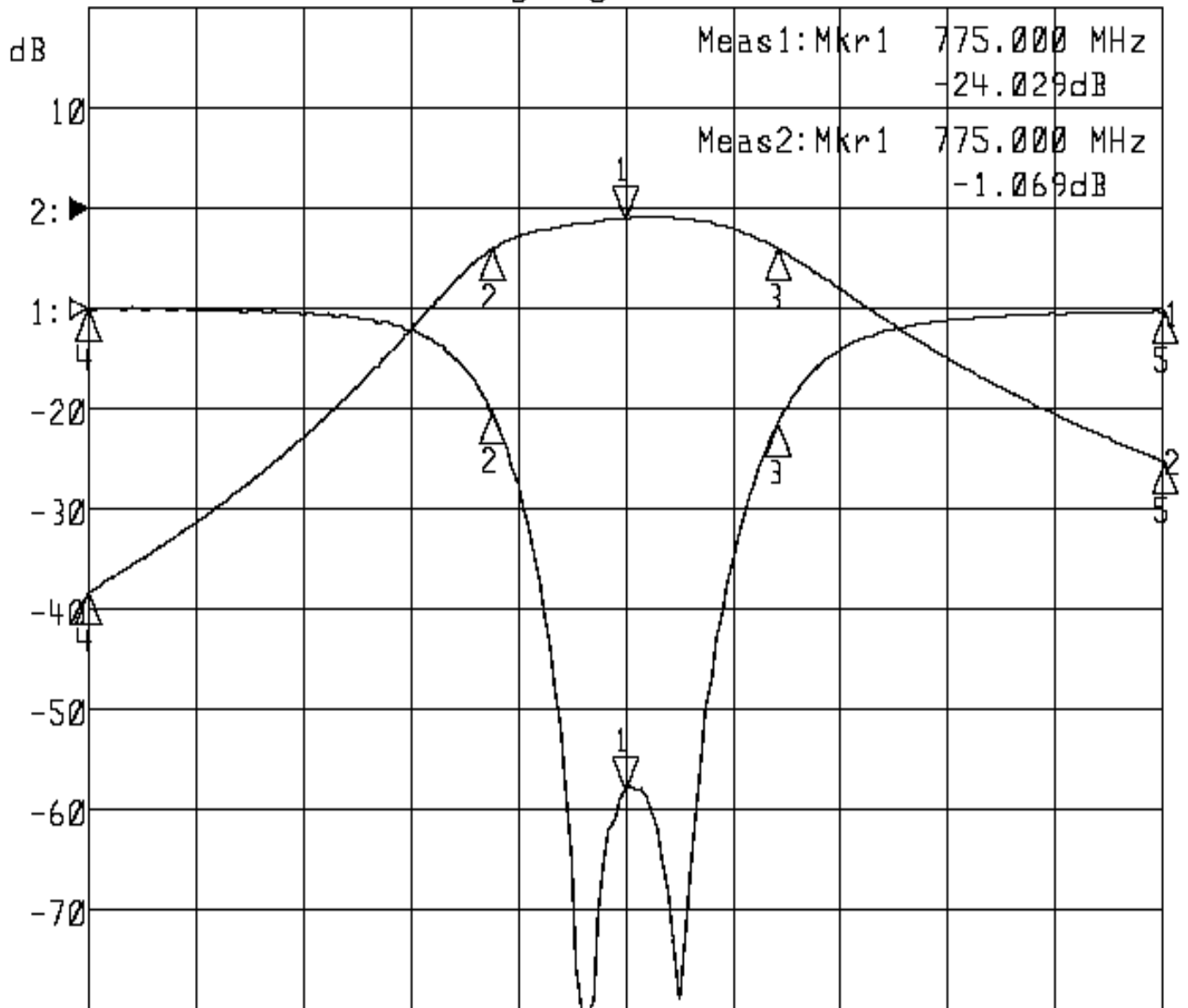
(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		775 MHz	775 MHz
Tunable Range		775±4 MHz	775±4 MHz
Insertion Loss		Typ. 2.0 dB	1.0 dB
-3 dB Bandwidth		Typ. 49 MHz	53 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 34 dBc	37 dBc
	Fo + 100 MHz	Typ. 21 dBc	24 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	24 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	7S3(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance-TTS3147A-775M

20110020DC

▶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	-24.029	1> 775.0000	-1.069
2: 750.1333	-5.144	2: 750.1333	-4.085
3: 803.3333	-5.744	3: 803.3333	-4.004
4: 675.0000	-0.030	4: 675.0000	-38.309
5: 875.0000	-0.187	5: 875.0000	-25.228