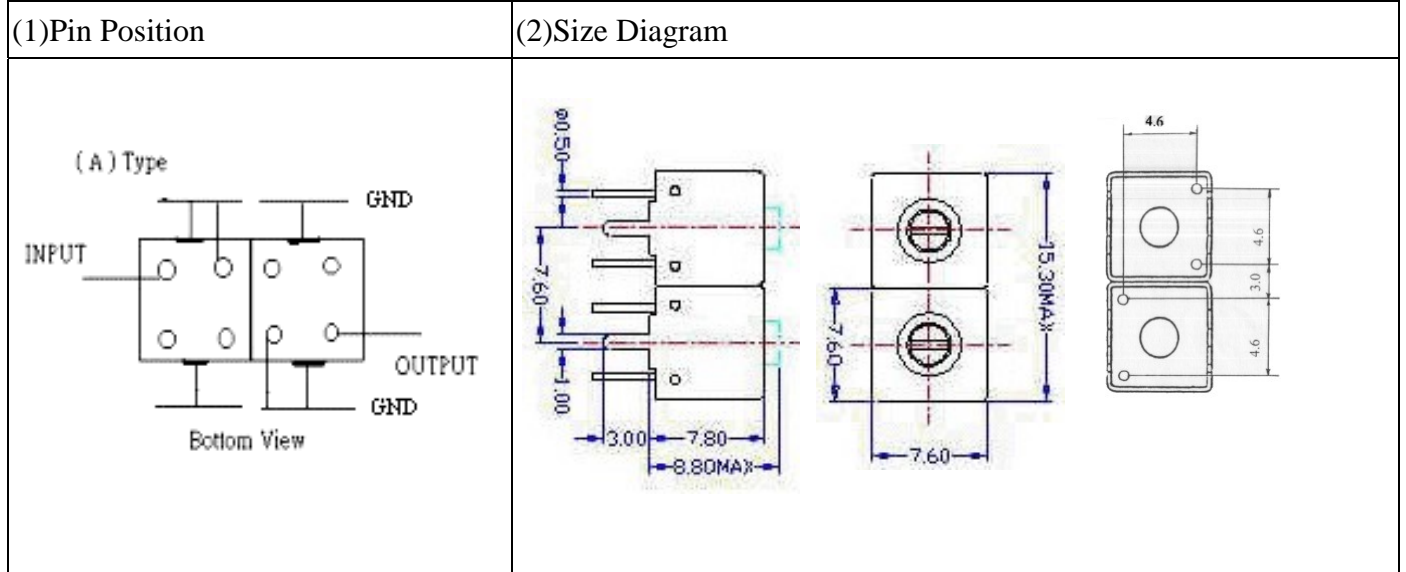


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2221A-987M
Approval No. /dated	20110035DC	Acceptable Specify Fo. Range	976~1000MHz
Work Instruction No.	20110035DC	Date	2001.10.19



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	987 MHz	987 MHz
Tunable Range	987±5 MHz	987±5 MHz
Insertion Loss	Typ. 2.0 dB	1.1 dB
-3 dB Bandwidth	Typ. 74 MHz	79 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 13 dBc
	Fo + 100 MHz	Typ. 10 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	15 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

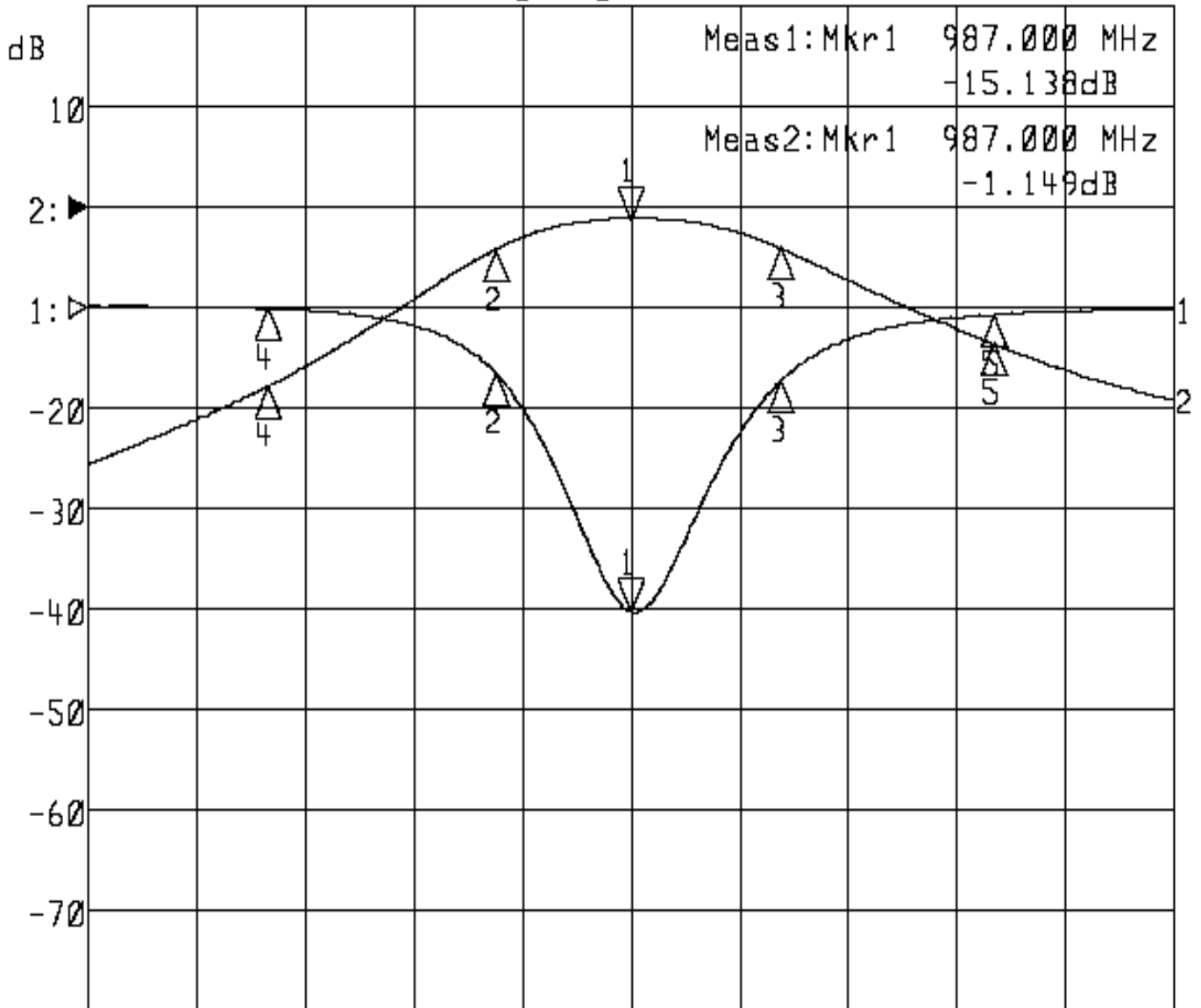
TEMWELL CORPORATION

Performance-TDS2221A-987M

20110035DC

▶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 987.000 MHz

Span 300.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 987.0000	-15.138	1> 987.0000	-1.149
2: 949.8000	-3.261	2: 949.8000	-4.127
3: 1028.5000	-3.623	3: 1028.5000	-4.109
4: 887.0000	-0.057	4: 887.0000	-17.780
5: 1087.0000	-0.357	5: 1087.0000	-13.580