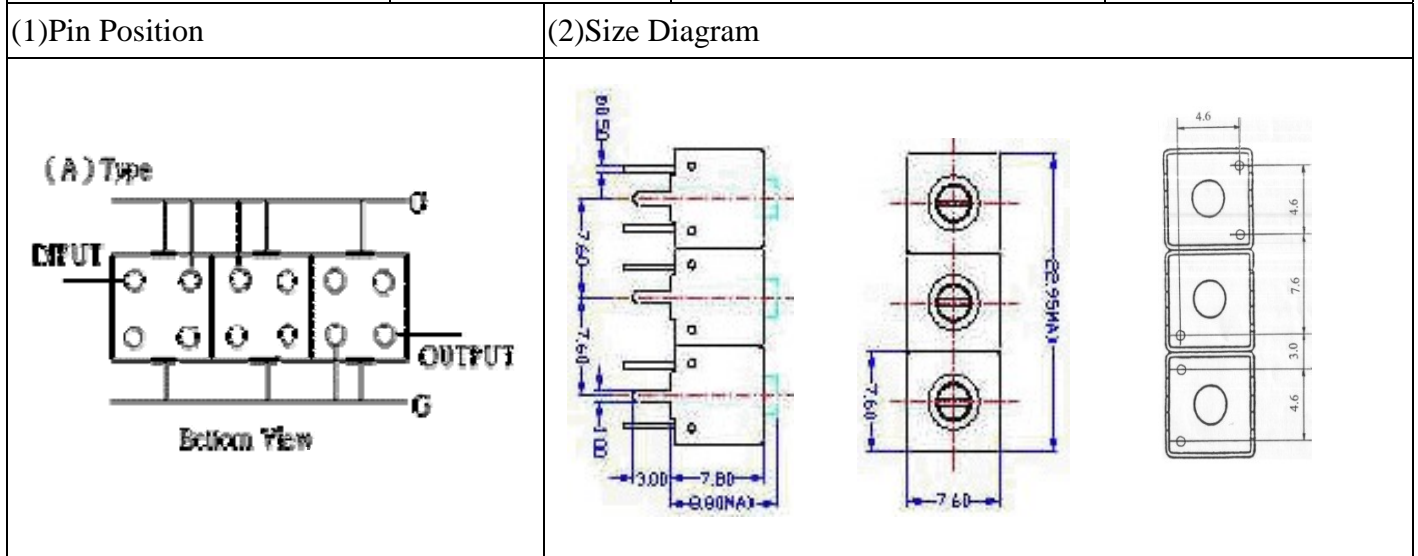


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTS3211A-960M
Approval No. /dated	20204057B	Acceptable Specify Fo. Range	951~975MHz
Work Instruction No.	20204057B	Date	2002/4/22.



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	960 MHz	960 MHz
Tunable Range	960 ±10 MHz	960 ±10 MHz
Insertion Loss	Typ. 6.0 dB	5.0 dB
-3 dB Bandwidth	Typ. 11 MHz	16 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 50 dBc
	Fo +100 MHz	Typ. 47 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	18.2 dB
Ripple	< 1 dB	dB
Impedance	In / Out : 75 Ω	In / Out : 75 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	7S3S(4*5.2) 7S046LB4

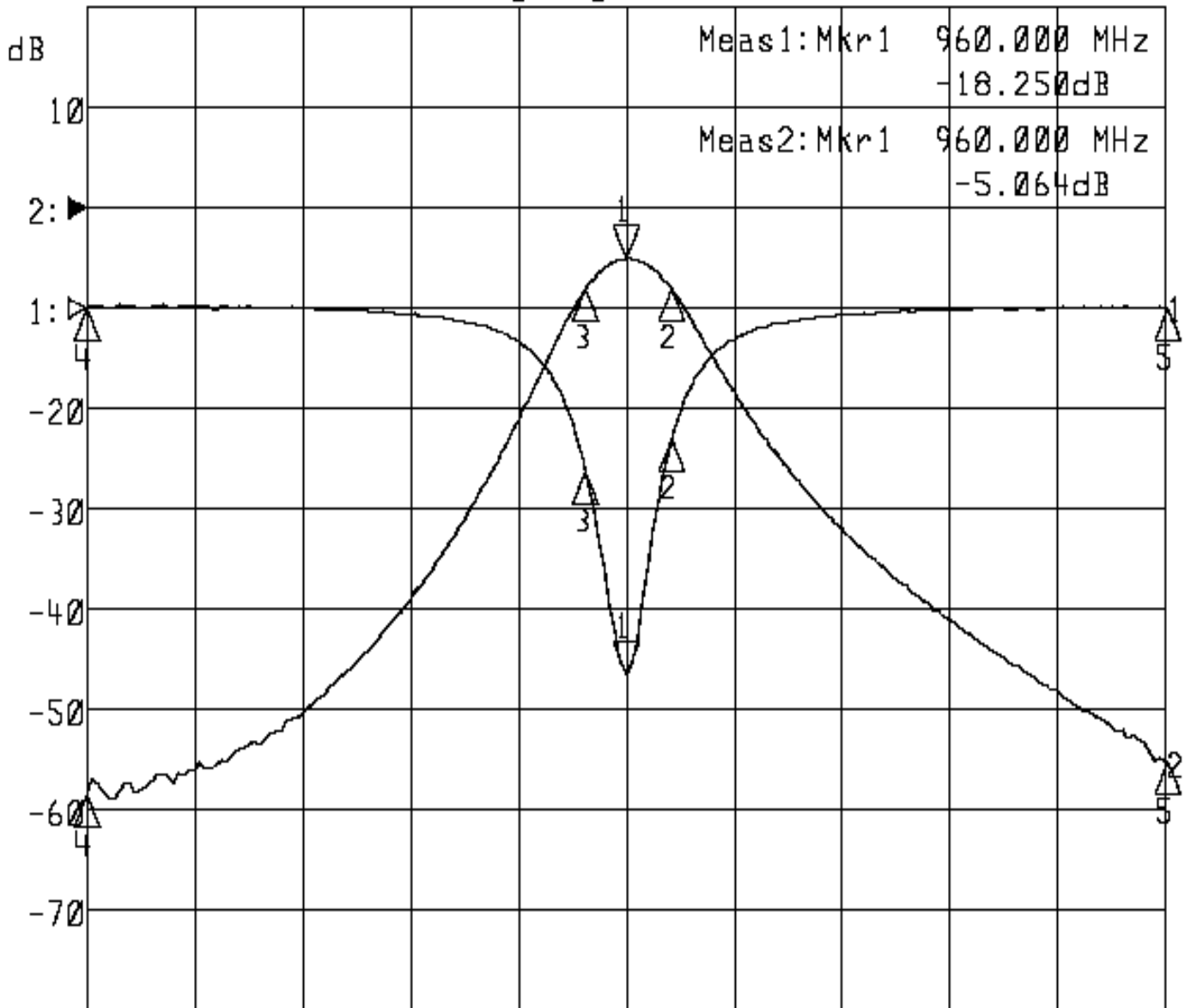
TEMWELL CORPORATION

Performance-TTS3211A-960M

20204057B

▶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 960.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 960.0000	-18.250	1> 960.0000	-5.064
2: 968.5000	-6.490	2: 968.5000	-8.072
3: 952.5000	-8.090	3: 952.5000	-8.056
4: 860.0000	0.061	4: 860.0000	-58.410
5: 1060.0000	0.043	5: 1060.0000	-55.262