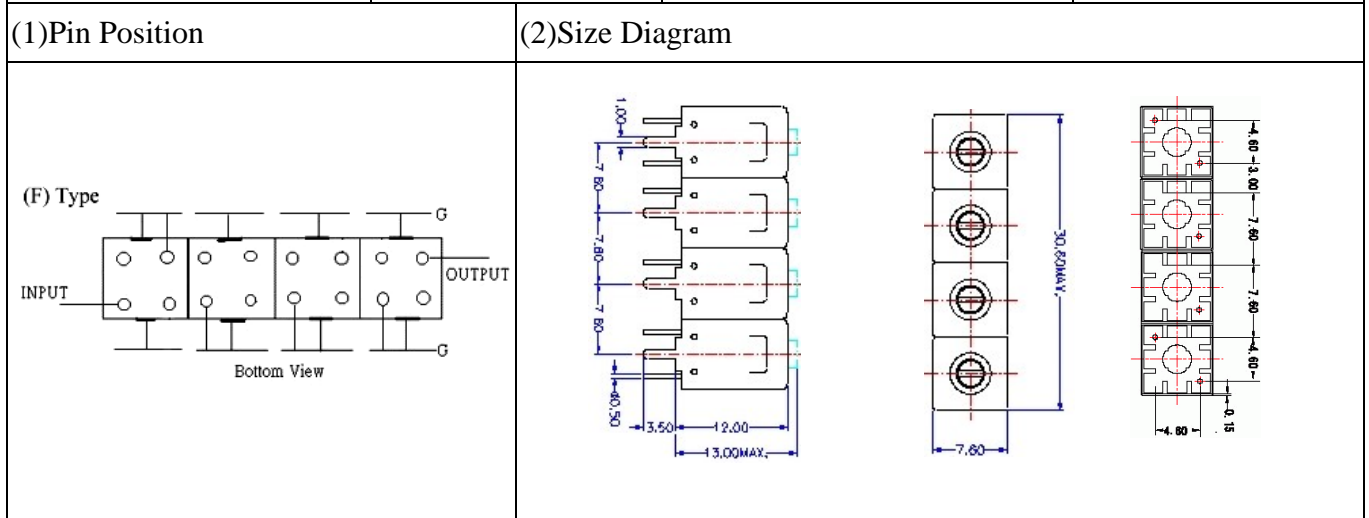


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TF6972F-470M
Approval No. /dated	20301009DB	Acceptable Specify Fo Range	456~515MHz
Work Instruction No.	20301009DB	Date	Jan.14,2003



(3)Electric Charasteric

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	470 MHz	470 MHz
Insertion Loss	Typ. 2.0 dB	1.31 dB
-3 dB Bandwidth	Typ. 45 MHz	49 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 35 dBc
	Fo + 50 MHz	Typ. 18 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	21.2 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	7H4S(4*8.0) 7H046LB5

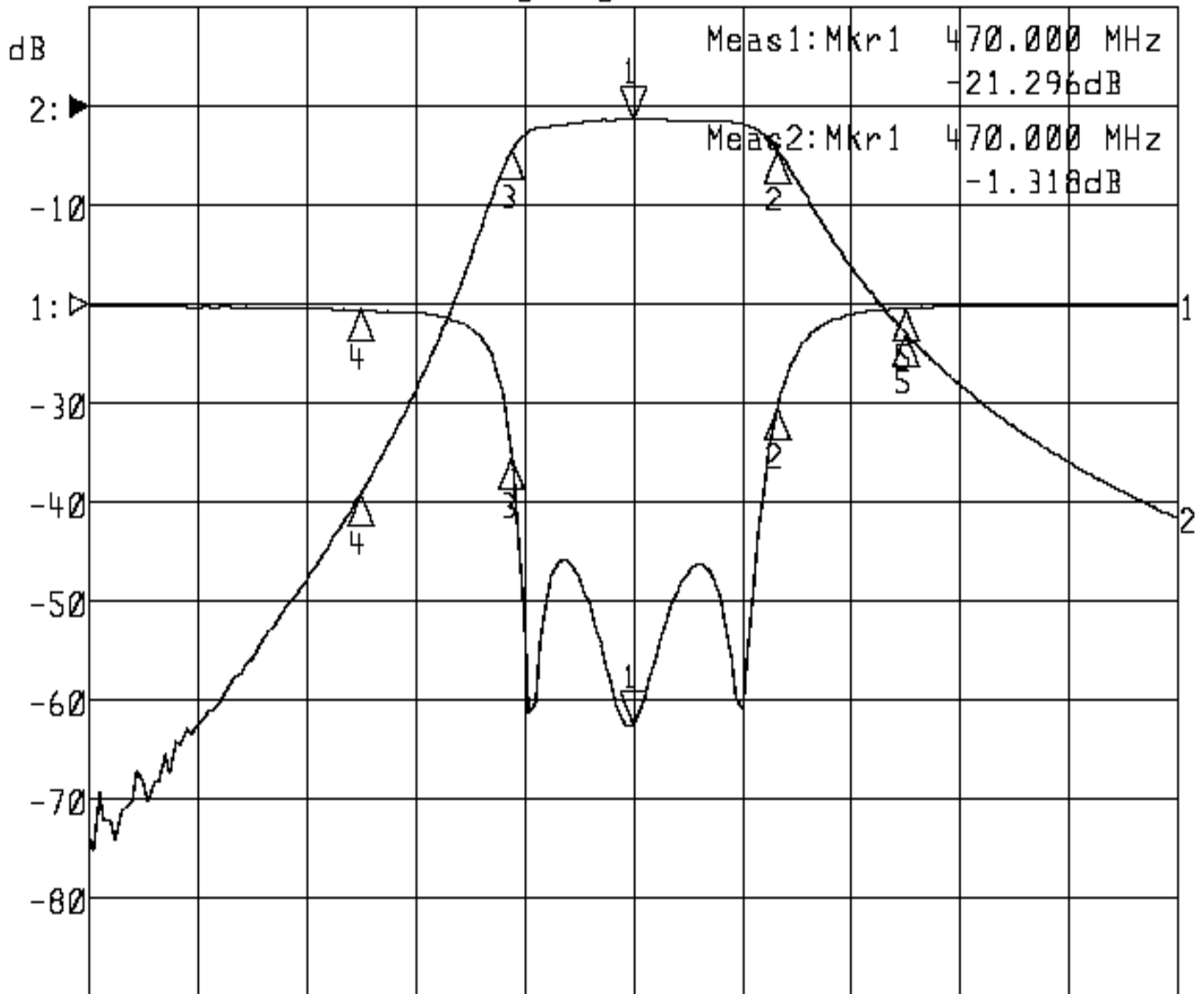
TEMWELL CORPORATION

Performance-TF6972F-470M

20301009DB

▶1:S22 Refl Port2 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 470.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 470.0000	-21.296	1> 470.0000	-1.318
2: 496.4667	-5.248	2: 496.4667	-4.389
3: 447.8000	-7.735	3: 447.8000	-4.350
4: 420.0000	-0.281	4: 420.0000	-39.127
5: 520.0000	-0.210	5: 520.0000	-22.905