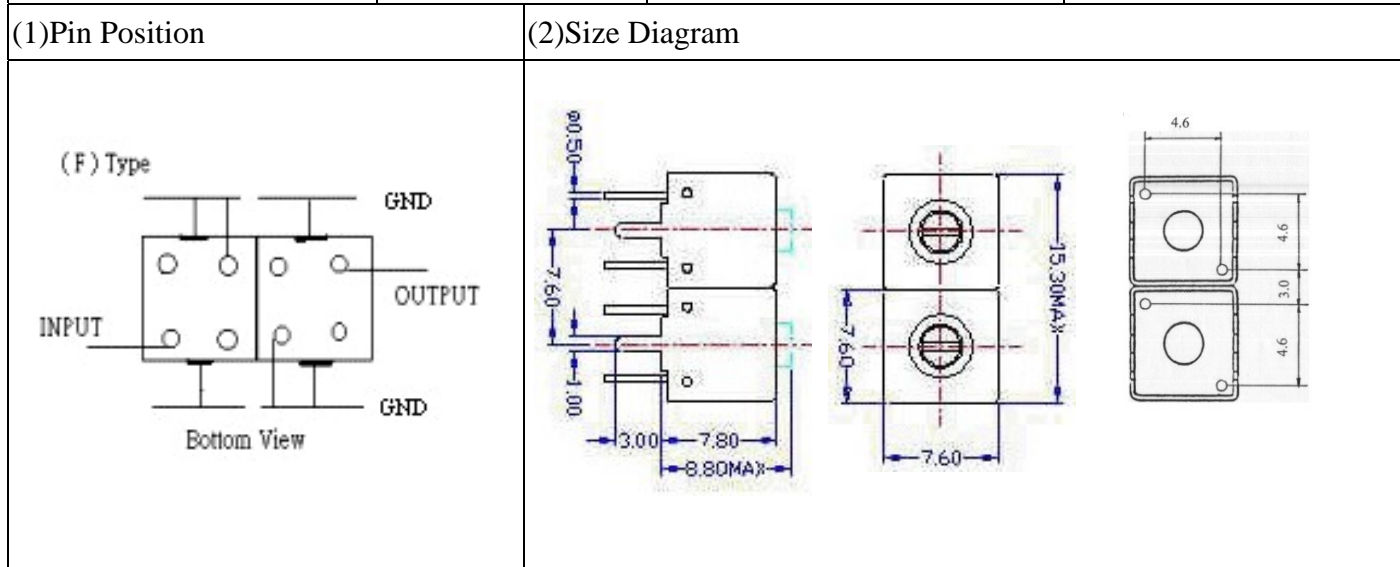


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2053F-375M
Approval No. /dated	20103001DC	Acceptable Specify Fo. Range	356~400MHz
Work Instruction No.	20103001DC	Date	2001.03.02



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	375 MHz	375 MHz
Tunable Range	375±4 MHz	375±4 MHz
Insertion Loss	Typ. 4.0 dB	3.0 dB
-3 dB Bandwidth	Typ. 13 MHz	17 MHz
Sensitivity (Attenuation)	Fo - 30 MHz	Typ. 17 dBc
	Fo + 30 MHz	Typ. 14 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	17.1 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*3.5) 7S00LB4

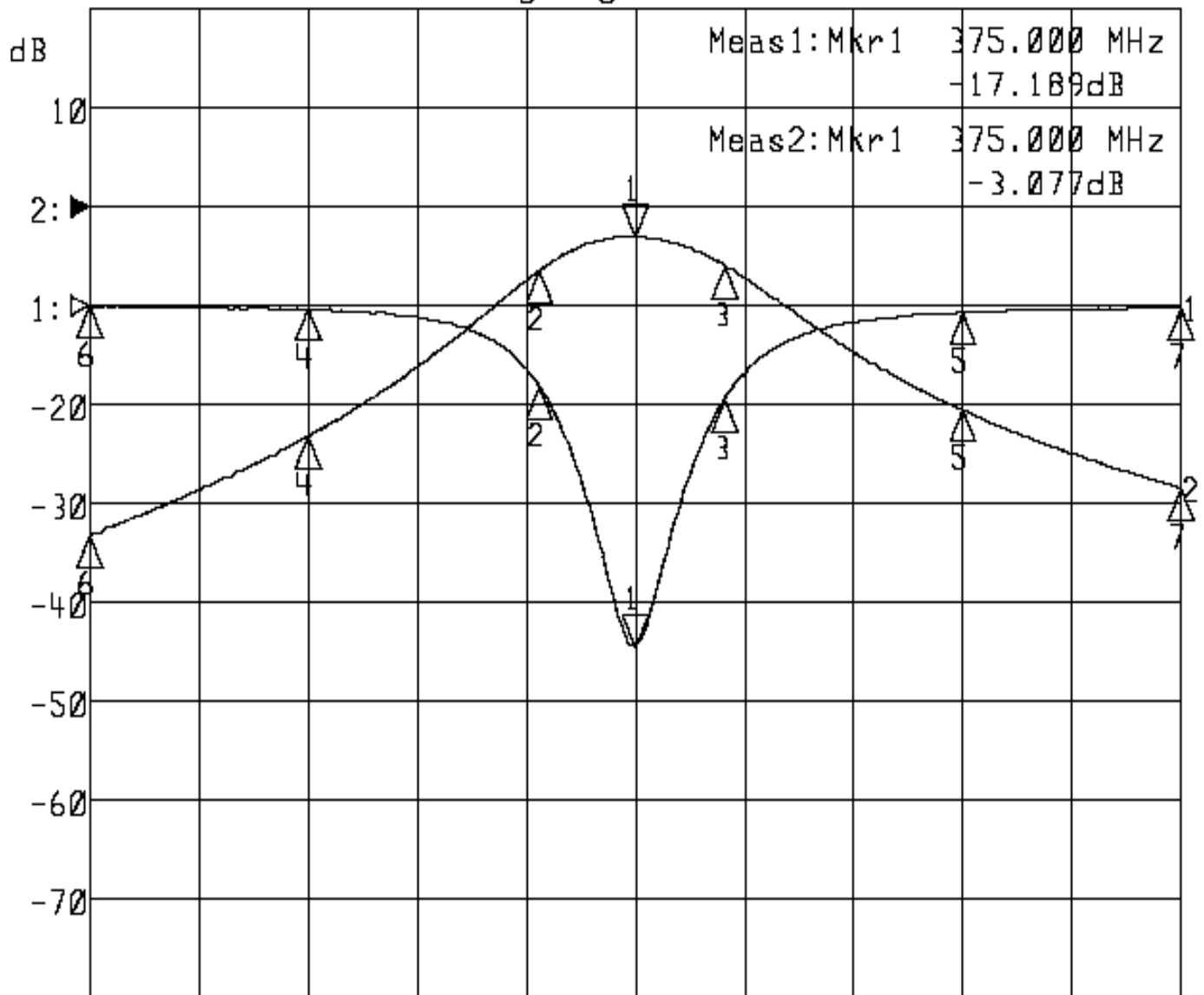
TEMWELL CORPORATION

Performance-TDS2053F-375M

20103001DC

▷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 375.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 375.0000	-17.189	1> 375.0000	-3.077
2: 366.2667	-4.078	2: 366.2667	-6.391
3: 383.2000	-4.705	3: 383.2000	-5.888
4: 345.0000	-0.174	4: 345.0000	-23.189
5: 405.0000	-0.339	5: 405.0000	-20.539
6: 325.0333	-0.059	6: 325.0333	-33.176
7: 424.9667	-0.122	7: 424.9667	-28.431