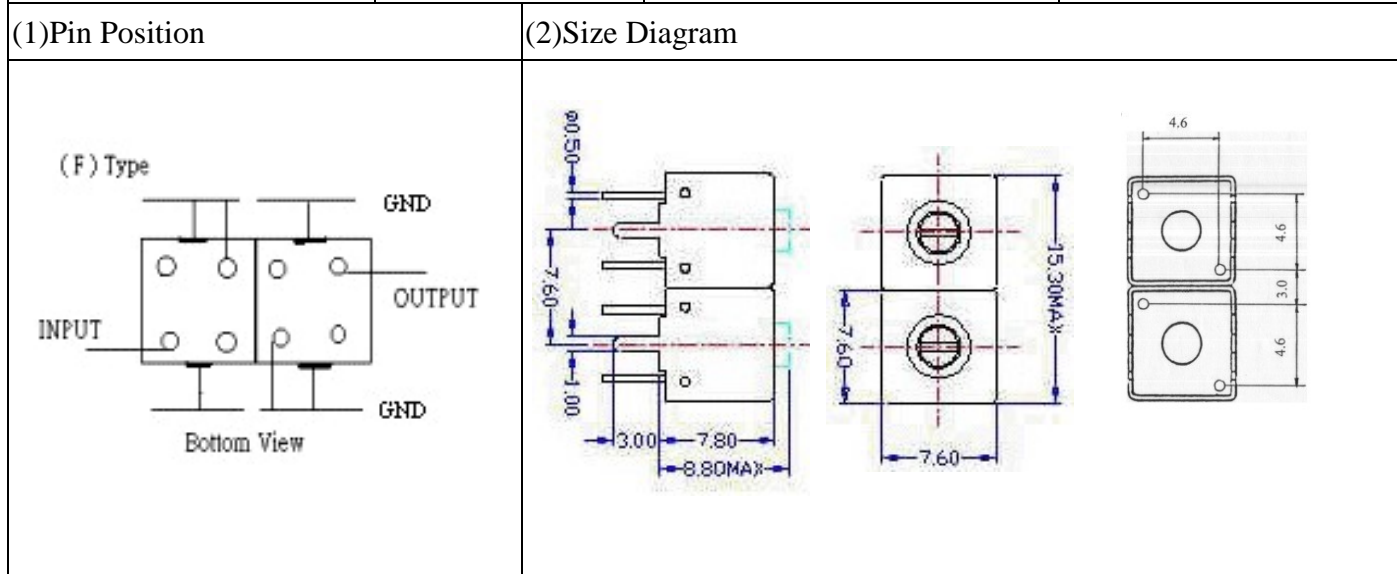


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2046F-314M
Approval No. /dated	20103071DC	Acceptable Specify Fo. Range	311~355MHz
Work Instruction No.	20103071DC	Date	2001.03.30



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	314 MHz	314 MHz
Tunable Range	314±4 MHz	314±4 MHz
Insertion Loss	Typ. 2.0 dB	1.1 dB
-3 dB Bandwidth	Typ. 22 MHz	25 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 15 dBc
	Fo + 50 MHz	Typ. 25 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	22 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

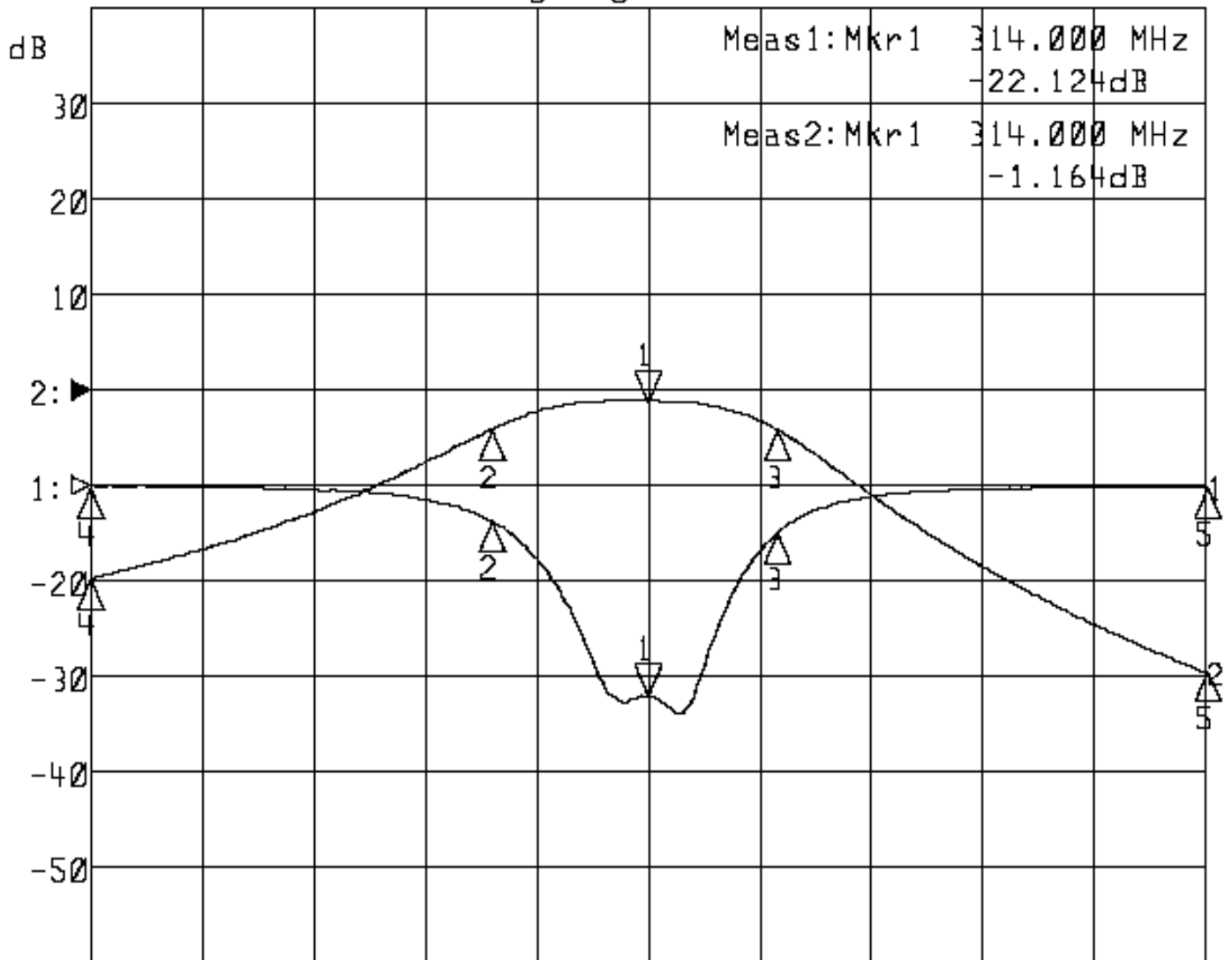
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*4.5) 7S024RB5.5

TEMWELL CORPORATION

Performance-TDS2046F-314M

20103071DC

▶1:S11 Refl Port1 Log Mag 10.0 dB/ Ref 0.00 dB C
▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 314.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 314.0000	-22.124	1> 314.0000	-1.164
2: 299.9333	-3.736	2: 299.9333	-4.147
3: 325.6333	-4.954	3: 325.6333	-4.192
4: 264.0000	-0.129	4: 264.0000	-19.731
5: 364.0000	-0.133	5: 364.0000	-29.571