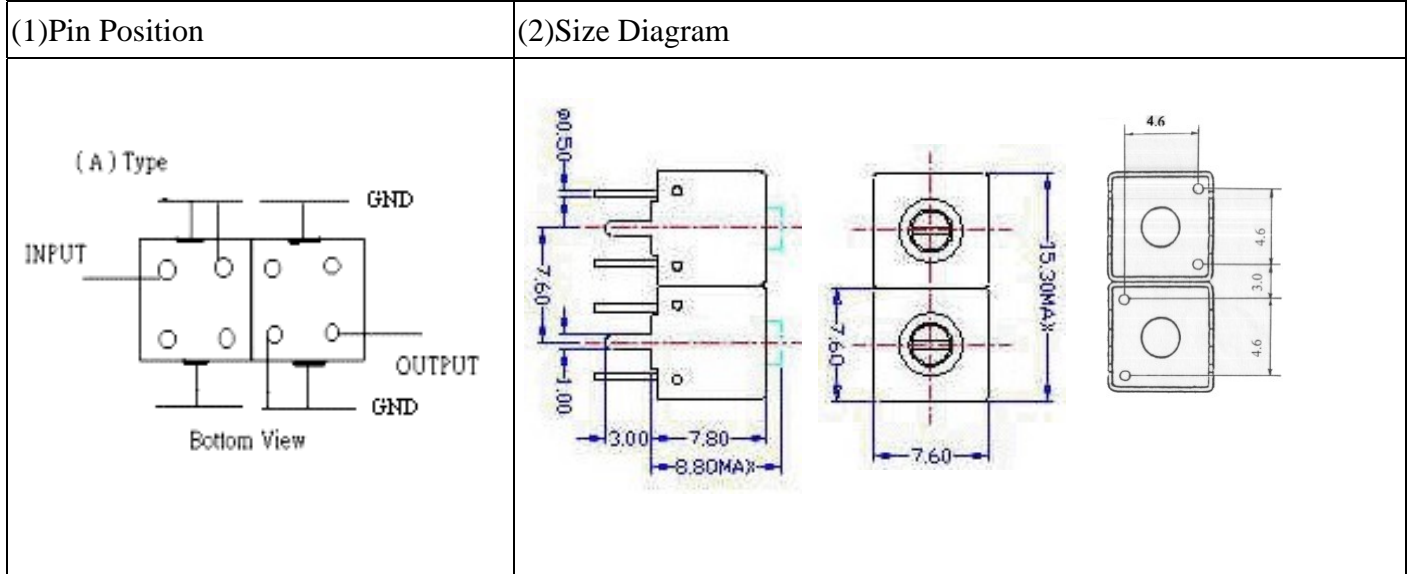


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2245A-1225M
Approval No. /dated	20201048DC	Acceptable Specify Fo. Range	1181~1250MHz
Work Instruction No.	20201048DC	Date	2002.01.21



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	1225 MHz	1225 MHz	
Tunable Range	1225±5 MHz	1225±5 MHz	
Insertion Loss	Typ. 2.5 dB	1.8 dB	
-3 dB Bandwidth	Typ. 68 MHz	74 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 15 dBc	18 dBc
	Fo + 100 MHz	Typ. 13 dBc	16 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	20 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

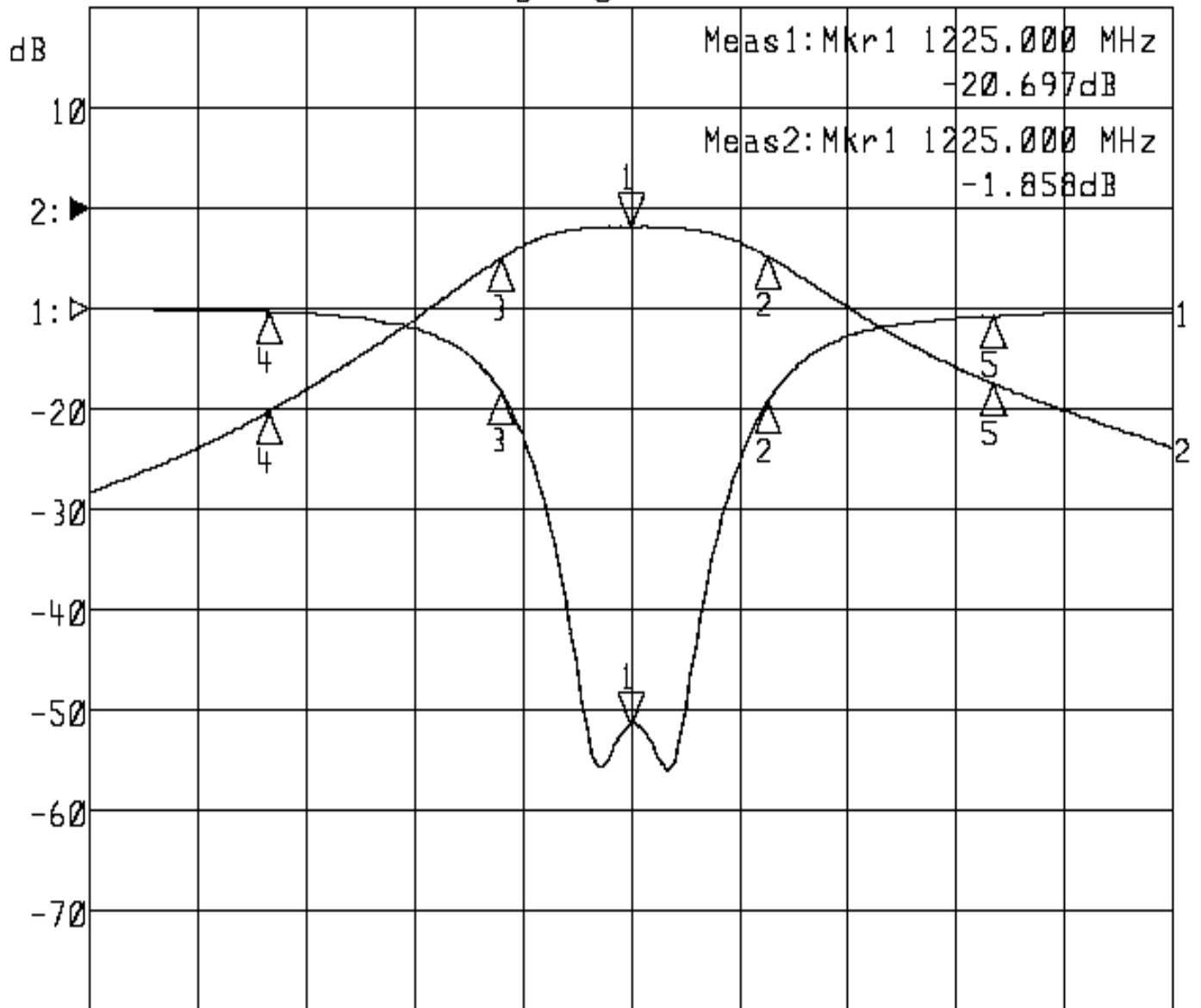
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2245A-1225M

20201048DC

▶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 1 225.000 MHz

Span 300.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1225.0000	-20.697	1> 1225.0000	-1.858
2: 1263.0000	-4.564	2: 1263.0000	-4.801
3: 1189.2000	-4.178	3: 1189.2000	-4.898
4: 1125.0000	-0.171	4: 1125.0000	-20.170
5: 1325.0000	-0.398	5: 1325.0000	-17.411