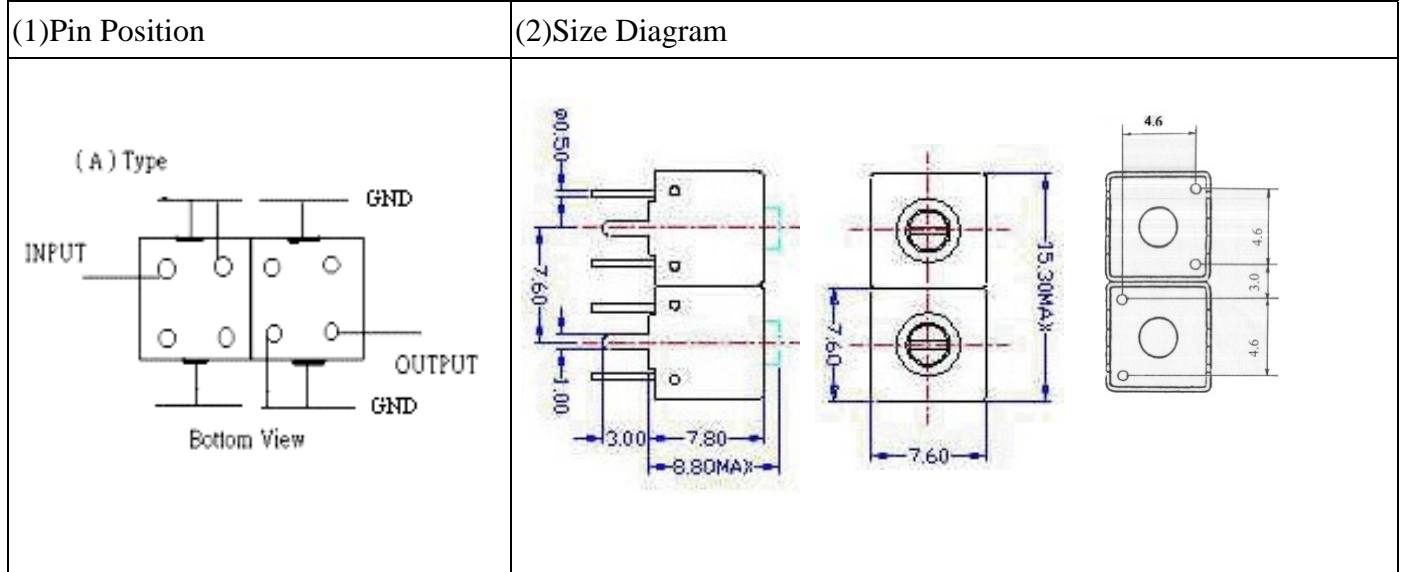


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2244A-1175M
Approval No. /dated	20201039DC	Acceptable Specify Fo. Range	1101~1180MHz
Work Instruction No.	20201039DC	Date	2002.01.21



(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	1175 MHz	1175 MHz
Tunable Range	1175±5 MHz	1175±5 MHz
Insertion Loss	Typ. 3.0 dB	2.3 dB
-3 dB Bandwidth	Typ. 64 MHz	70 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 15 dBc
	Fo +100 MHz	Typ. 12 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	25 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

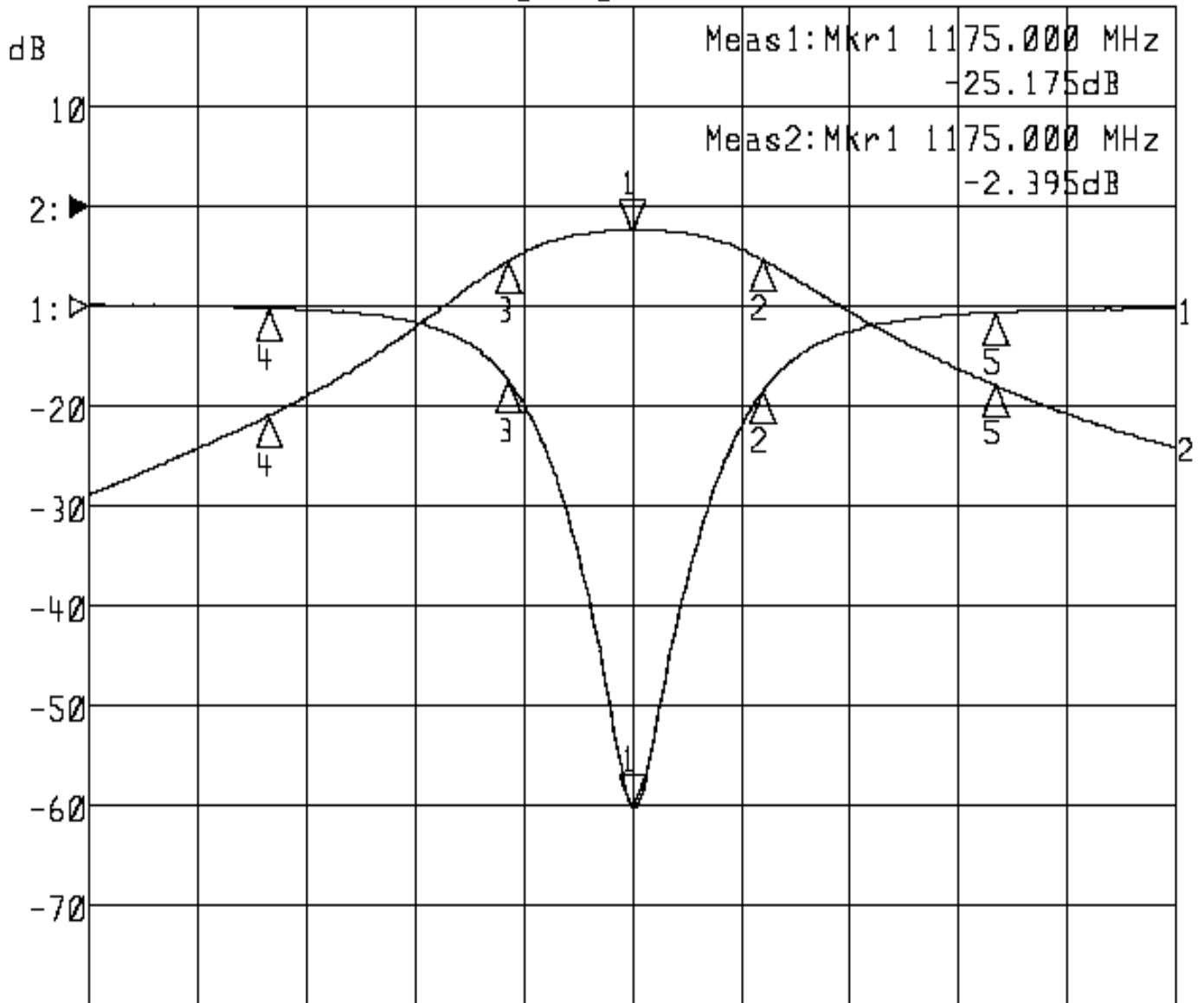
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2244A-1175M

20201039DC

▶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 1 175.000 MHz

Span 300.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1175.0000	-25.175	1> 1175.0000	-2.395
2: 1211.0000	-4.265	2: 1211.0000	-5.363
3: 1141.1000	-3.751	3: 1141.1000	-5.395
4: 1075.0000	-0.072	4: 1075.0000	-20.877
5: 1275.0000	-0.322	5: 1275.0000	-17.868