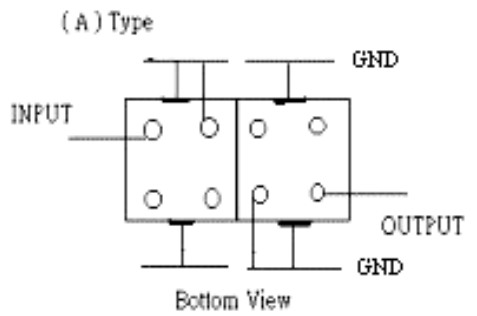
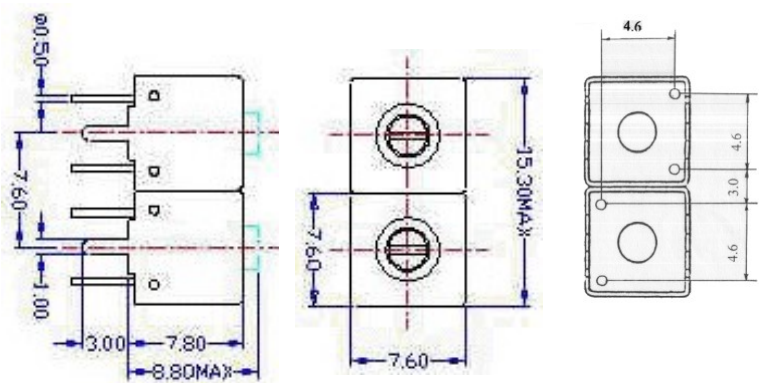


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2243A-1125M
Approval No. /dated	20201036DC	Acceptable Specify Fo. Range	1101~1180MHz
Work Instruction No.	20201036DC	Date	2002.01.21

<p>(1) Pin Position</p>  <p>(A) Type INPUT      GND OUTPUT      GND Bottom View</p>	<p>(2) Size Diagram</p>  <p>Dimensions: 15.30MAX, 7.60, 7.60, 3.00, 7.80, 8.80MAX, 1.00, 7.60, 4.6, 3.0, 4.6</p>
--	--

(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	1125 MHz	1125 MHz
Tunable Range	1125±5 MHz	1125±5 MHz
Insertion Loss	Typ. 2.0 dB	1.3 dB
-3 dB Bandwidth	Typ. 64 MHz	70 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 14 dBc
	Fo + 100 MHz	Typ. 12 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. dBc
Return Loss	Min. 12 dB	15 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

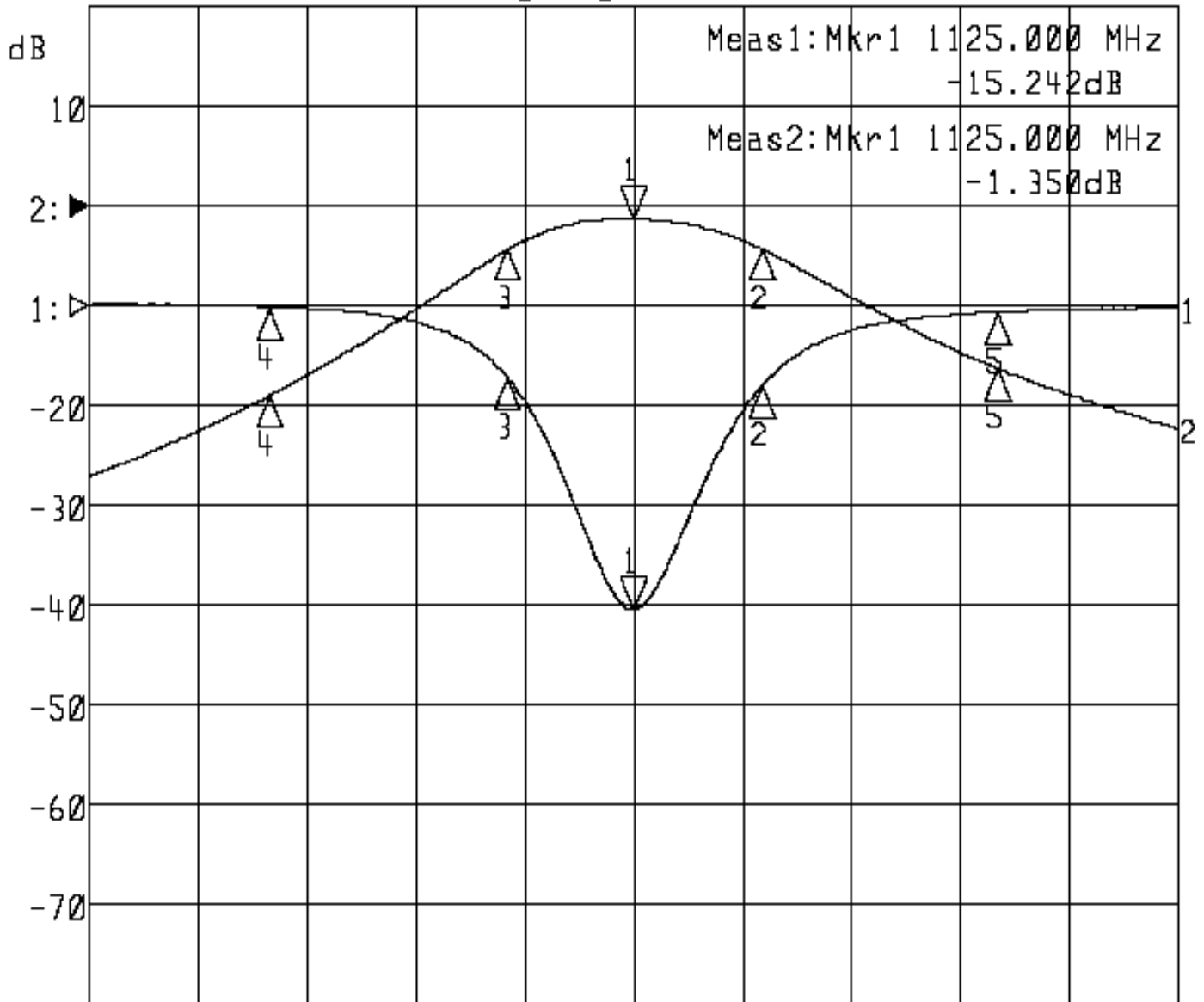
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

# Performance-TDS2243A-1125M

## 20201036DC

▷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 1 125.000 MHz

Span 300.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 1125.0000	-15.242	1> 1125.0000	-1.350
2: 1160.5000	-3.988	2: 1160.5000	-4.339
3: 1090.5000	-3.595	3: 1090.5000	-4.342
4: 1025.0000	-0.063	4: 1025.0000	-18.931
5: 1225.0000	-0.341	5: 1225.0000	-16.260