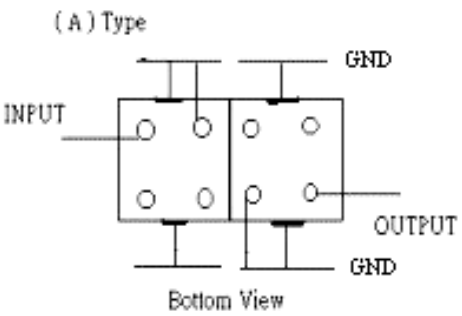
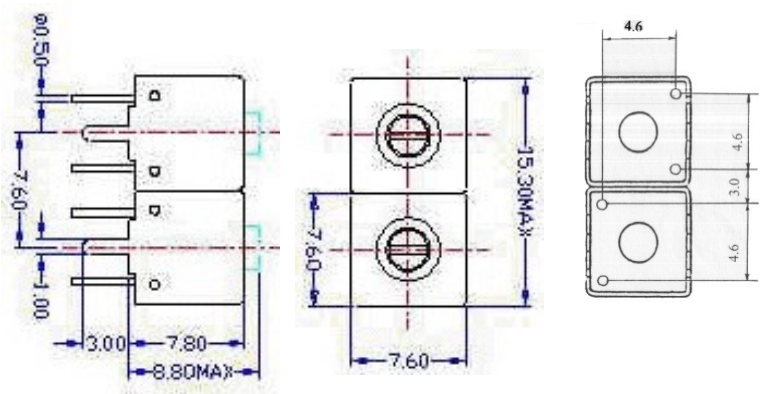


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2233A-1025M
Approval No. /dated	20201030DC	Acceptable Specify Fo. Range	1001~1100MHz
Work Instruction No.	20201030DC	Date	2002.01.21

<p>(1) Pin Position</p>  <p>(A) Type INPUT GND OUTPUT GND Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character

Item	Specify	Performance
Center Freq.(Fo) +/- 0.5 %	1025 MHz	1025 MHz
Tunable Range	1025±5 MHz	1025±5 MHz
Insertion Loss	Typ. 2.5 dB	1.7 dB
-3 dB Bandwidth	Typ. 60 MHz	65 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 17 dBc
	Fo +100 MHz	Typ. 14 dBc
	Fo - ()MHz	Typ. dBc
	Fo +()MHz	Typ. dBc
Return Loss	Min. 12 dB	27 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

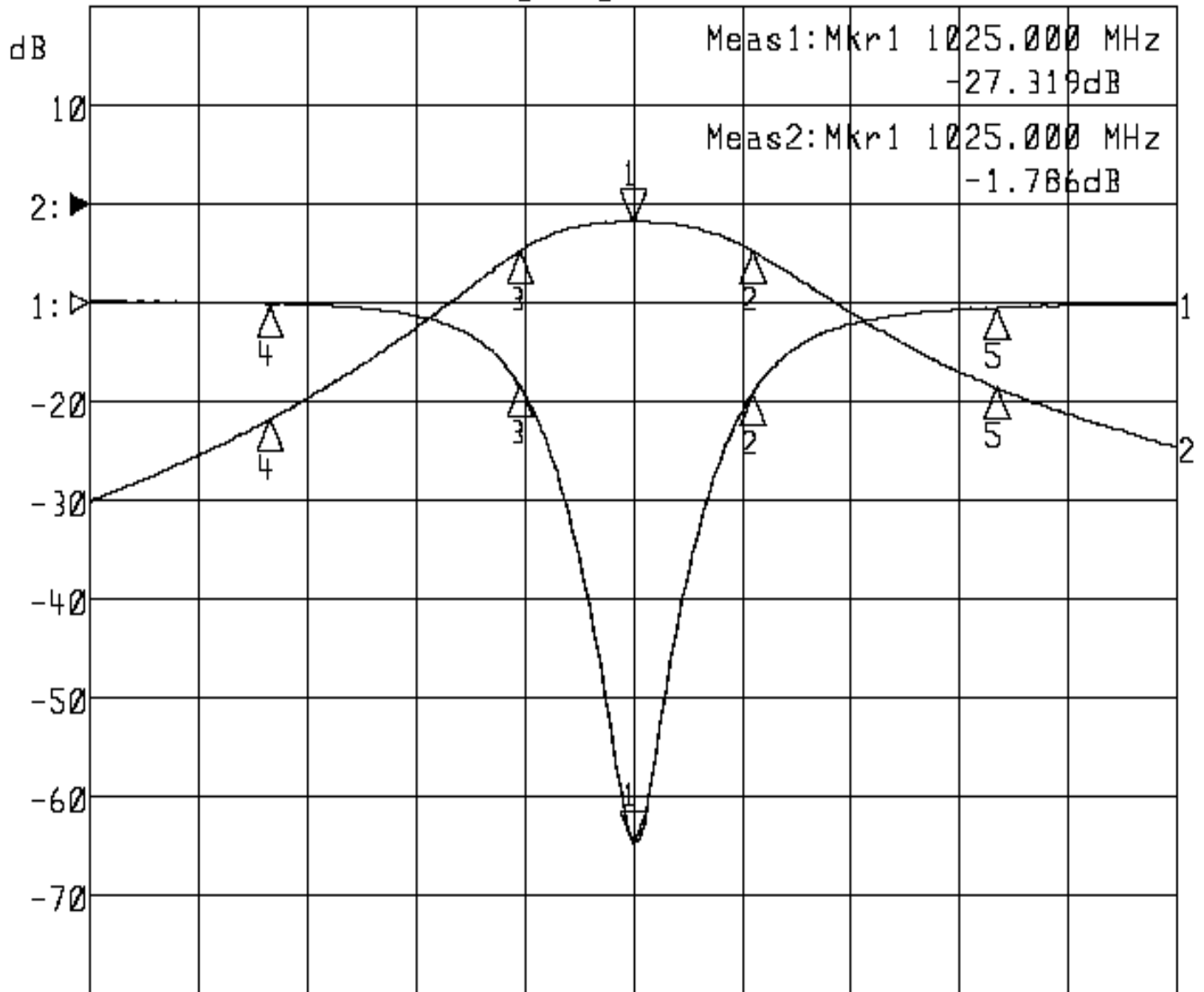
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB6

TEMWELL CORPORATION

Performance-TDS2233A-1025M

20201030DC

▶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 1 025.000 MHz

Span 300.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 1025.0000	-27.319	1> 1025.0000	-1.786
2: 1058.0000	-4.563	2: 1058.0000	-4.730
3: 993.8000	-4.182	3: 993.8000	-4.724
4: 925.0000	-0.073	4: 925.0000	-21.766
5: 1125.0000	-0.264	5: 1125.0000	-18.599