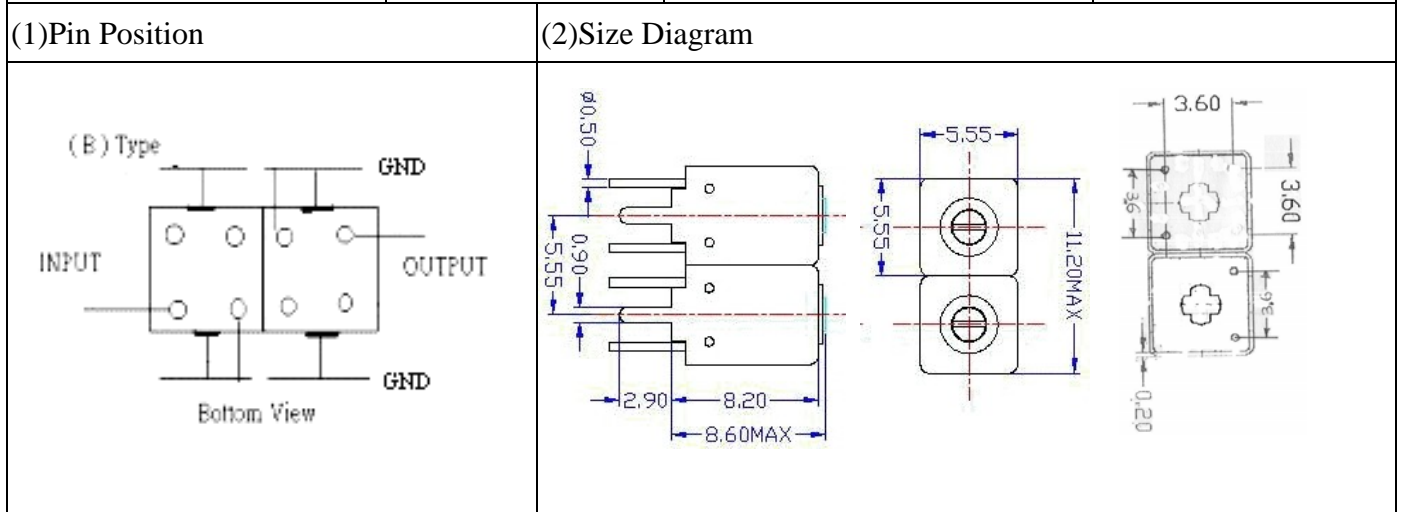


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2555B-1280M
Approval No. /dated	20112040DC	Acceptable Specify Fo. Range	125~1300MHz
Work Instruction No.	20112040DC	Date	Dec.14.2001



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	1280 MHz	1280 MHz	
Tunable Range:	1280±5 MHz	1280±5 MHz	
Insertion Loss	Typ. 4.0 dB	2.85 dB	
-3 dB Bandwidth	Typ. 31 MHz	38.1 MHz	
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 26 dBc	29 dBc
	Fo + 100 MHz	Typ. 22 dBc	25 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	35.1 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	
(4) Torque for Tuning Screw	> 60gf • cm		

(5) Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6) Input Power

	> 0.5Watt
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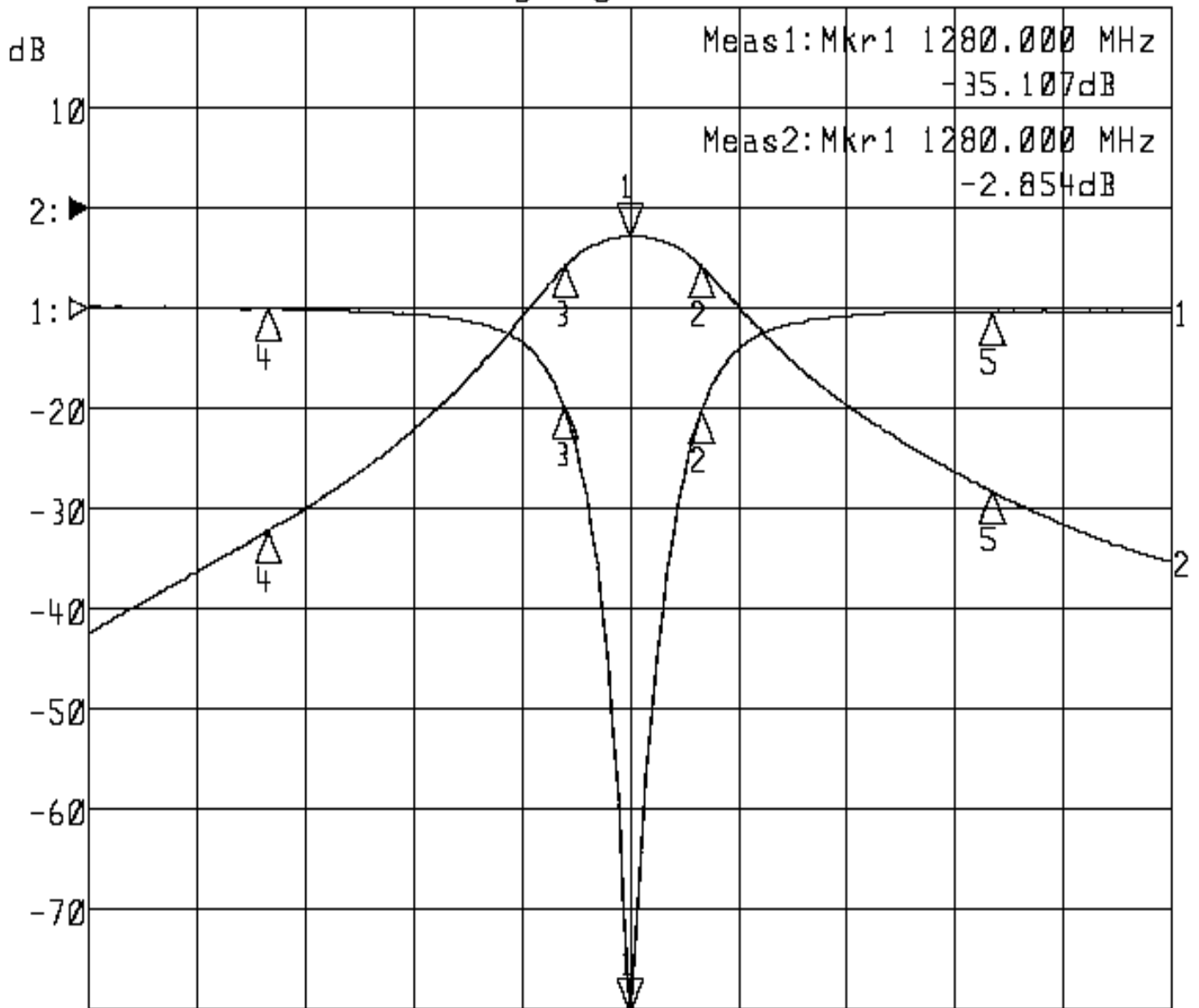
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	Enlan	5W2S(3.8*3.7) 5HW024RB3

TEMWELL CORPORATION

# Performance-TDW2555B-1280M

## 20112040DC

►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 1 280.000 MHz

Span 300.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 1280.0000	-35.107	1> 1280.0000	-2.854
2: 1300.0000	-5.065	2: 1300.0000	-5.874
3: 1261.9000	-4.925	3: 1261.9000	-5.874
4: 1180.0000	-0.051	4: 1180.0000	-32.186
5: 1380.0000	-0.195	5: 1380.0000	-28.220