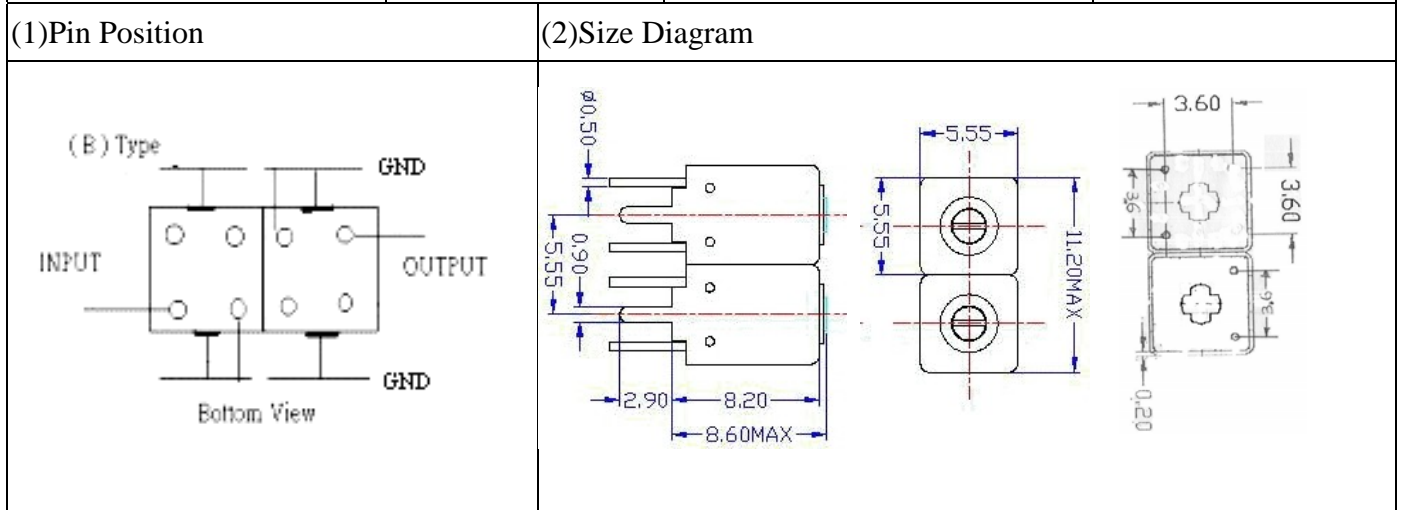


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2540B-920M
Approval No. /dated	20210077DC	Acceptable Specify Fo. Range	901~950MHz
Work Instruction No.	20210077DC	Date	Oct.29.2002



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	920 MHz	920 MHz	
Tunable Range:	920±10 MHz	920±10 MHz	
Insertion Loss	Typ. 4.0 dB	3.17 dB	
-3 dB Bandwidth	Typ. 13 MHz	21.6 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 25 dBc	28 dBc
	Fo + 50 MHz	Typ. 21 dBc	24 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	16.4 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

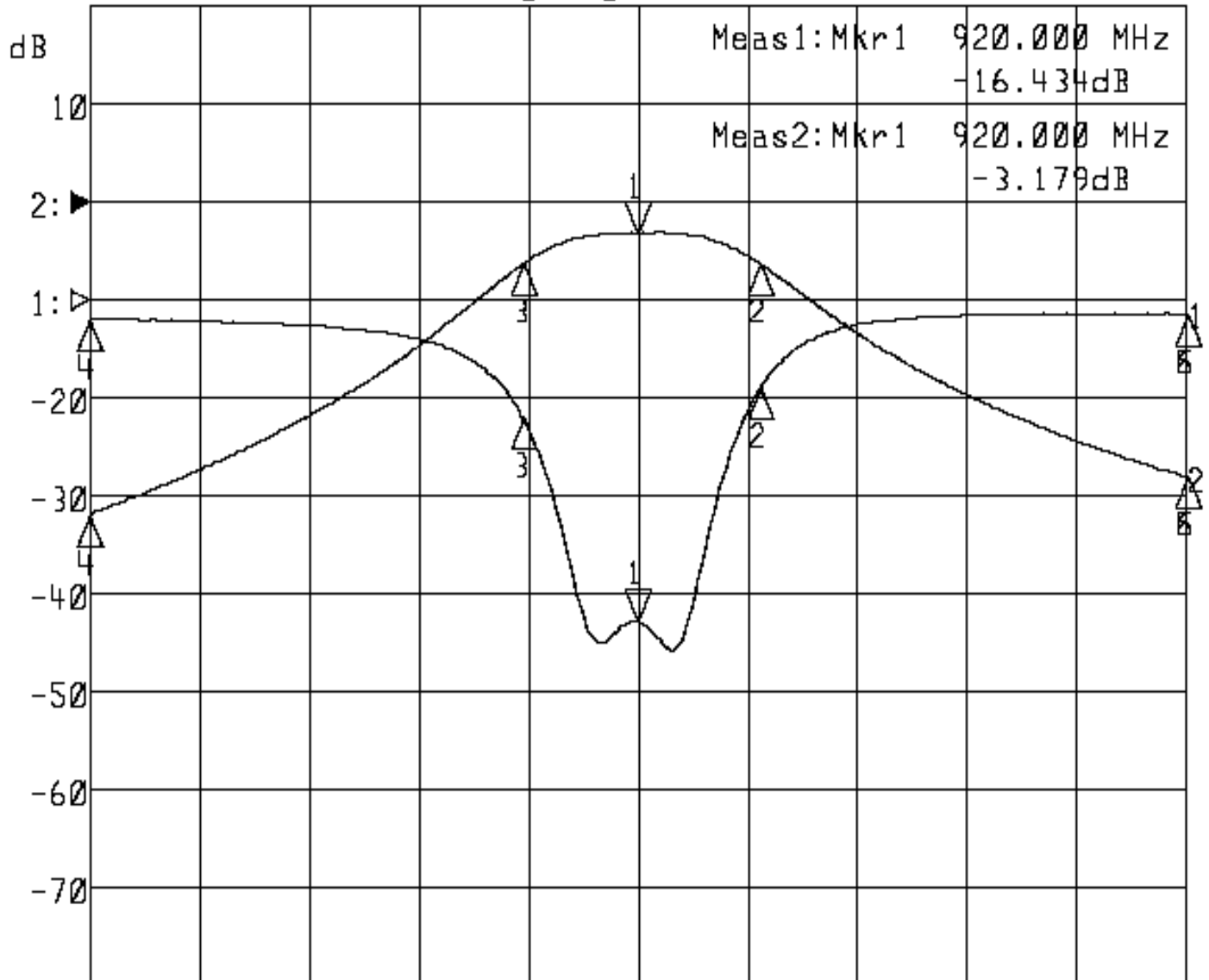
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	Enlan	5W2S(3.8*3.5) 5HW046RB3.2

TEMWELL CORPORATION

Performance-TDW2540B-920M

20210077DC

▶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 920.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 920.0000	-16.434	1> 920.0000	-3.179
2: 931.1333	-4.499	2: 931.1333	-6.254
3: 909.5667	-6.057	3: 909.5667	-6.280
4: 870.0000	-0.967	4: 870.0000	-31.901
5: 970.0000	-0.702	5: 970.0000	-28.046
6: 970.0000	-0.702	6: 970.0000	-28.046