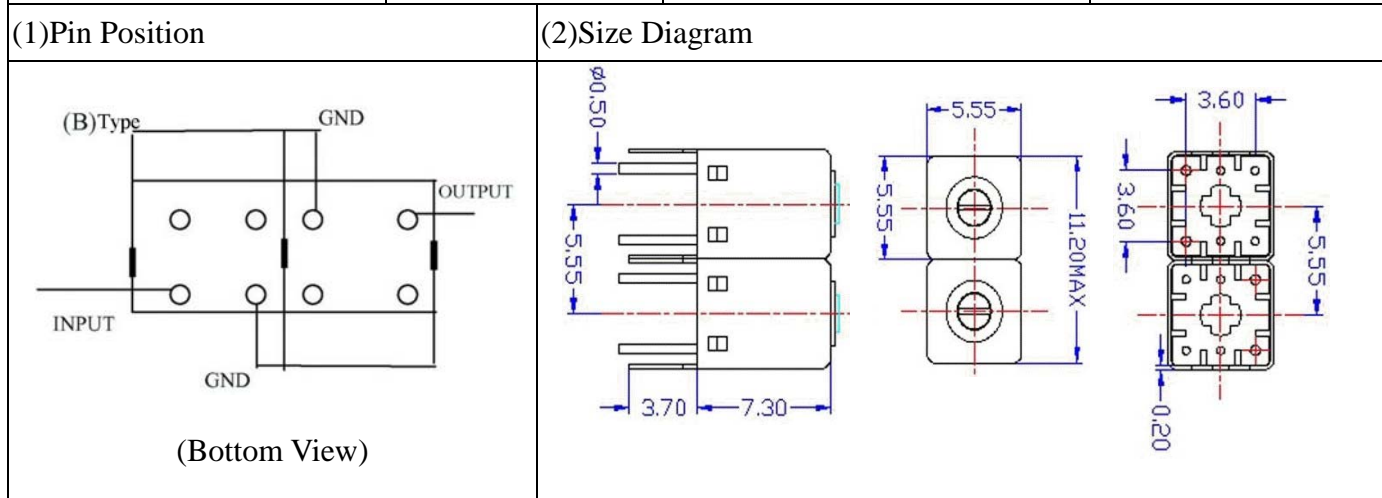


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDR2634B-402.5M
Approval No. /dated	20210067B	Acceptable Specify Fo. Range	400~450MHz
Work Instruction No.	20210067B	Date	Oct.31.2002



**(3) Electric Character**

Item	Specify	Performance
Center Freq.(Fo ) +/- 0.5 %	402.5 MHz	402.5 MHz
Tunable Range:	402.5±10 MHz	402.5±10 MHz
Insertion Loss	Typ. 3.0 dB	2.4 dB
-3 dB Bandwidth	Typ. 12 MHz	15.8 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 25 dBc
	Fo + 50 MHz	Typ. 31 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. dBc
Return Loss	Min. 12 dB	34 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	-30°C ~ +70°C
Storage Temperature	-30°C ~ +80°C
(6) Input Power	> 0.5Watt

Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	5R2S(3.8*3.7)

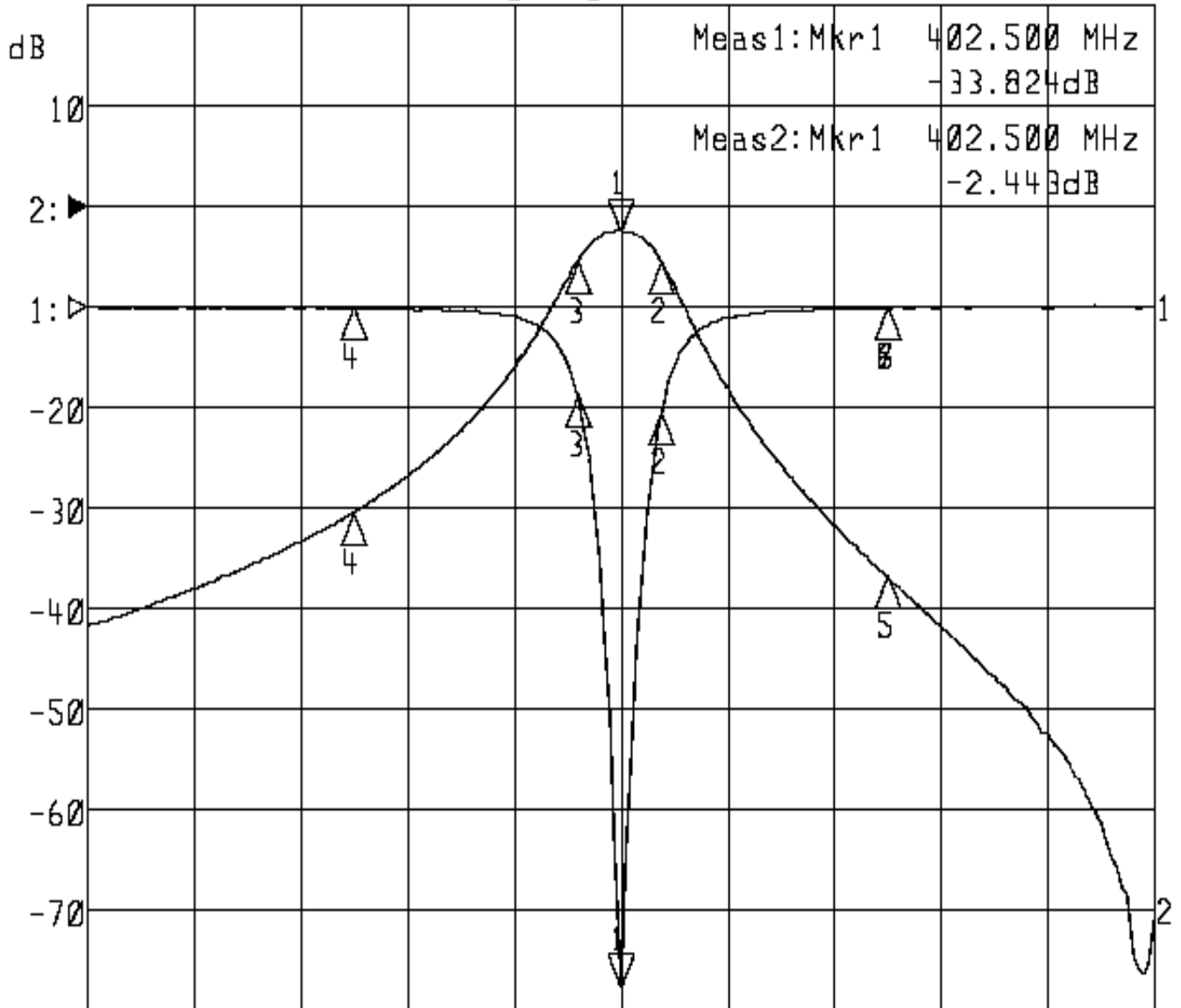
TEMWELL CORPORATION

# Performance-TDR2634B-402.5M

## 20210067B

▶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 402.500 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 402.5000	-33.824	1> 402.5000	-2.443
2: 410.1667	-5.192	2: 410.1667	-5.471
3: 394.3667	-4.363	3: 394.3667	-5.442
4: 352.5000	-0.049	4: 352.5000	-30.394
5: 452.5000	-0.056	5: 452.5000	-36.864
6: 452.5000	-0.056		
7: 452.5000	-0.056		