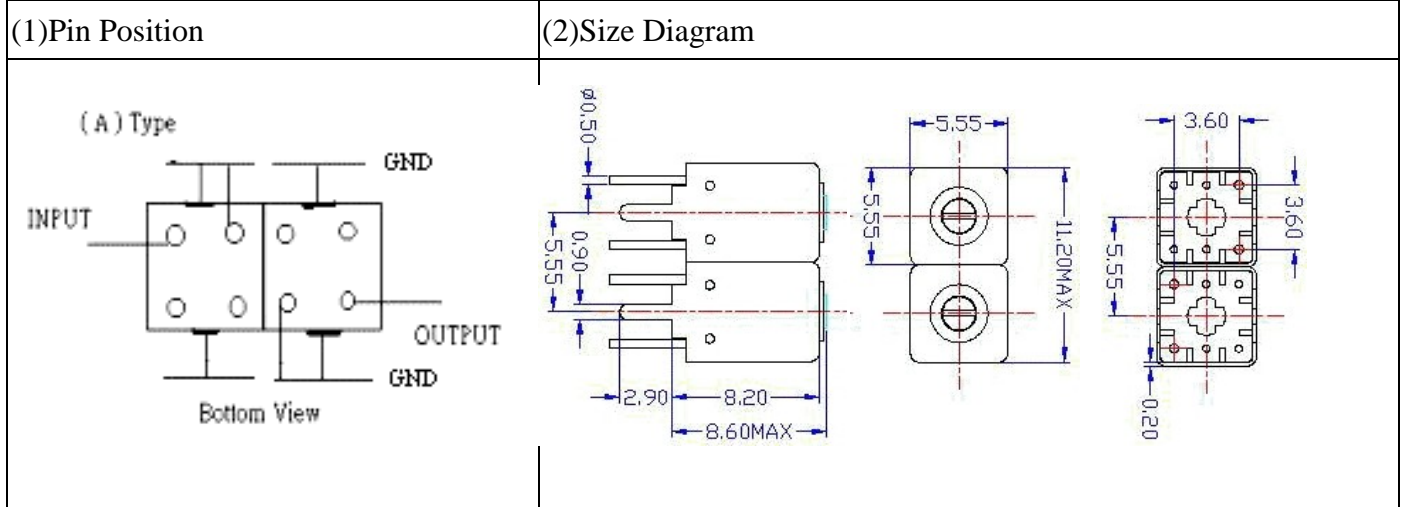


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2437A-433.9M
Approval No. /dated	20207004DC	Acceptable Specify Fo. Range	401~450MHz
Work Instruction No.	20207004DC	Date	Aug.05.2002



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	433.9 MHz	433.9 MHz	
Tunable Range:	433.9±5 MHz	433.9±5 MHz	
Insertion Loss	Typ. 3.5 dB	2.63 dB	
-3 dB Bandwidth	Typ. 16 MHz	20.4 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 18 dBc	21 dBc
	Fo + 50 MHz	Typ. 28 dBc	31 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	23.6 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

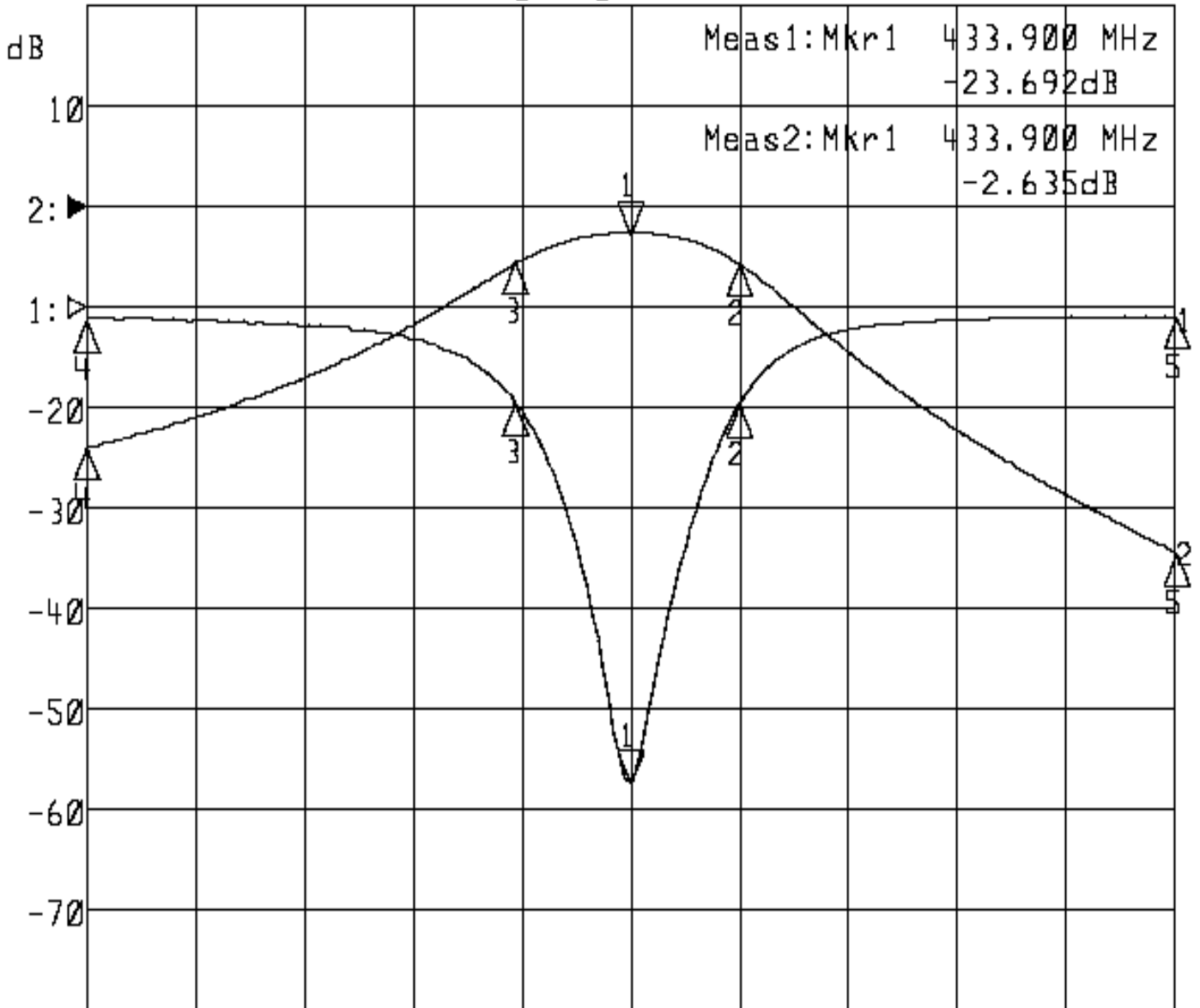
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	5W2S(3.8*4.7) 5HW024RB3

TEMWELL CORPORATION

Performance-TDW2437A-433.9M

20207004DC

▶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 433.900 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 433.9000	-23.692	1> 433.9000	-2.635
2: 443.8333	-4.849	2: 443.8333	-5.630
3: 423.4000	-4.740	3: 423.4000	-5.605
4: 383.9000	-0.564	4: 383.9000	-24.036
5: 483.9000	-0.537	5: 483.9000	-34.412