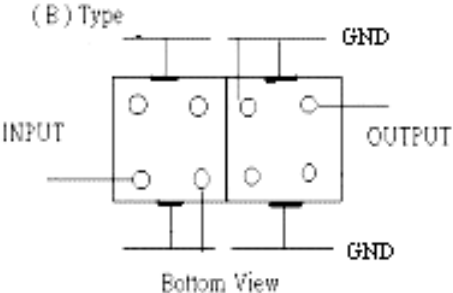
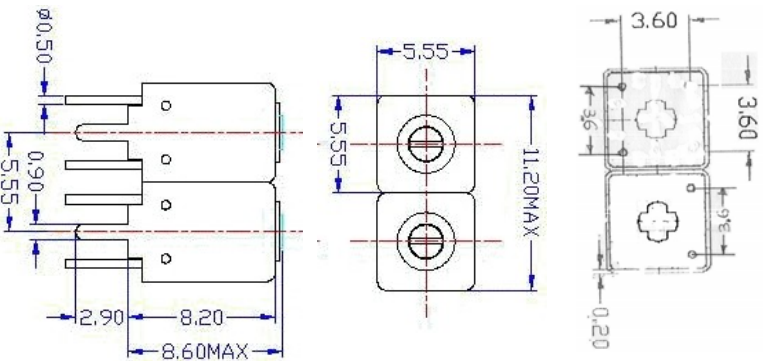


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2470B-610M
Approval No. /dated	20111169DB	Acceptable Specify Fo. Range	601~650MHz
Work Instruction No.	20111169DB	Date	Nov.29.2001

(1)Pin Position	(2)Size Diagram
 <p>(B) Type INPUT      OUTPUT GND      GND Bottom View</p>	 <p>Dimensions: <math>\phi 0.50</math>, 0.90, 5.55, 2.90, 8.20, 8.60MAX, 5.55, 5.55, 11.20MAX, 3.60, 3.60, 0.20</p>

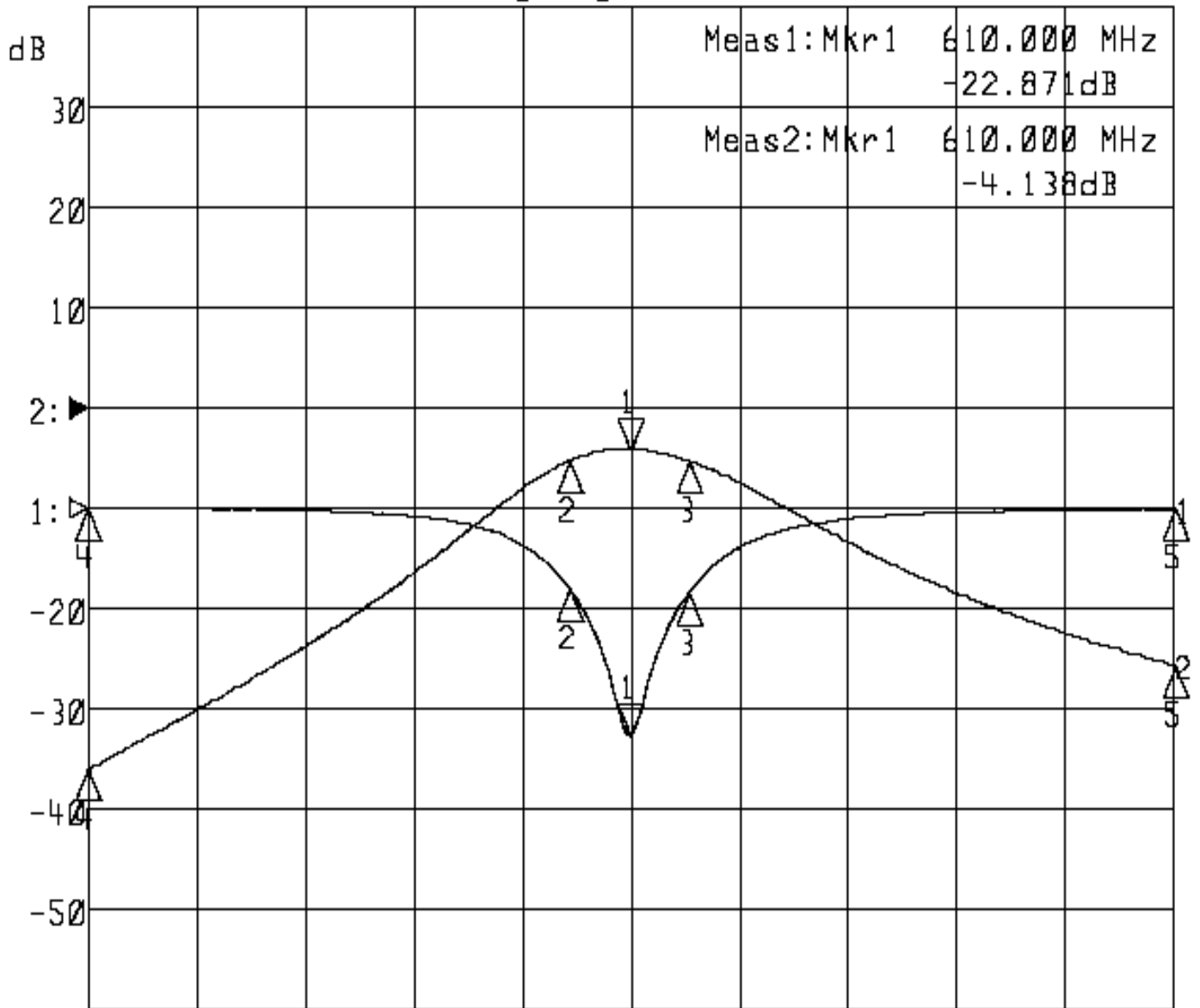
(3)Electric Character			
Item		Specify	Performance
Center Freq.(Fo ) +/- 0.5 %		610    MHz	610    MHz
Tunable Range:		610±5    MHz	610±5    MHz
Insertion Loss		Typ.    5.0    dB	4.13    dB
-3 dB Bandwidth		Typ.    5    MHz	10.9    MHz
Sensitivity (Attenuation )	Fo - 50    MHz	Typ.    28    dBc	31    dBc
	Fo + 50    MHz	Typ.    18    dBc	21    dBc
	Fo - (    )MHz	Typ.       dBc	dBc
	Fo +(    )MHz	Typ.       dBc	dBc
Return Loss		Min.    12    dB	22.8    dB
Ripple		< 1    dB	dB
Impedance		In / Out : 50 $\Omega$	In / Out : 50 $\Omega$
(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*3.7) 5HW024RB3

TEMWELL CORPORATION

# Performance- TDW2470B-610M

## 2011169DB

▶1:S11 Refl Port1 Log Mag 10.0 dB/ Ref 0.00 dB C  
▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 610.000 MHz

Span 100.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 610.0000	-22.871	1> 610.0000	-4.138
2: 604.4333	-8.000	2: 604.4333	-5.202
3: 615.3333	-8.418	3: 615.3333	-5.185
4: 560.0000	-0.050	4: 560.0000	-36.088
5: 660.0000	-0.066	5: 660.0000	-25.650