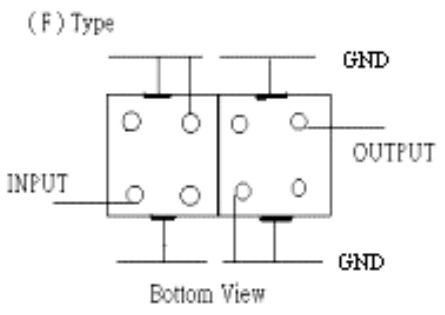
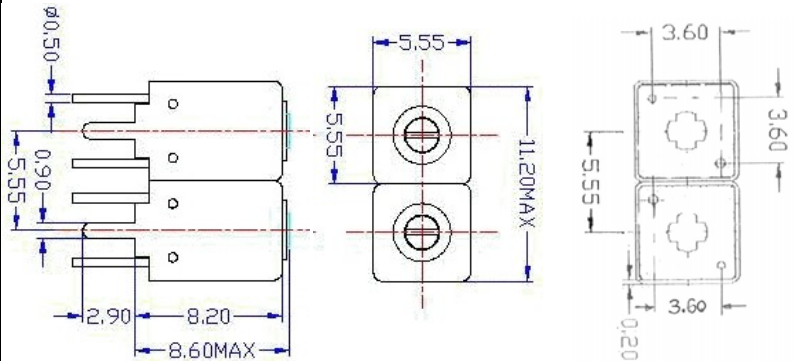


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2472F-612M
Approval No. /dated	20111034DC	Acceptable Specify Fo. Range	601~650MHz
Work Instruction No.	20111034DC	Date	Nov.13.2001

(1)Pin Position	(2)Size Diagram
 <p>(F) Type Bottom View</p>	

**(3)Electric Character**

Item	Specify	Performance
Center Freq.(Fo ) +/- 0.5 %	612 MHz	612 MHz
Tunable Range:	612±3 MHz	612±3 MHz
Insertion Loss	Typ. 2.0 dB	1.31 dB
-3 dB Bandwidth	Typ. 35 MHz	41.6 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 17 dBc
	Fo + 100 MHz	Typ. 31 dBc
	Fo - ( )MHz	Typ. dBc
	Fo +( )MHz	Typ. dBc
Return Loss	Min. 12 dB	21.2 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*4.7) 5HW024RB3

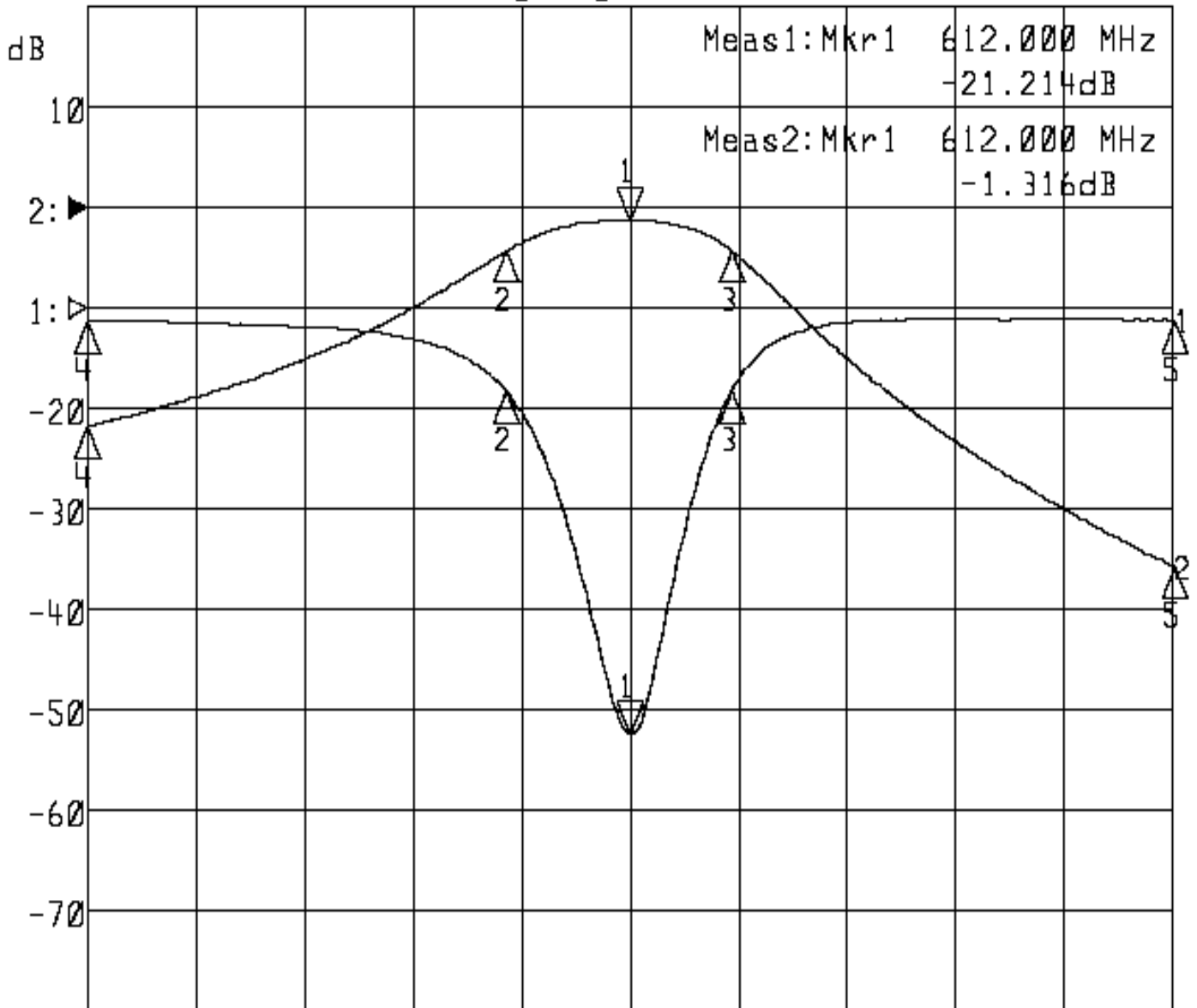
TEMWELL CORPORATION

# Performance-TDW2472F-612M

## 20111034DC

▶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 612.000 MHz

Span 200.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1> 612.0000	-21.214	1> 612.0000	-1.316
2: 589.1333	-4.112	2: 589.1333	-4.374
3: 630.7333	-4.111	3: 630.7333	-4.292
4: 512.0000	-0.614	4: 512.0000	-21.751
5: 712.0000	-0.616	5: 712.0000	-35.694