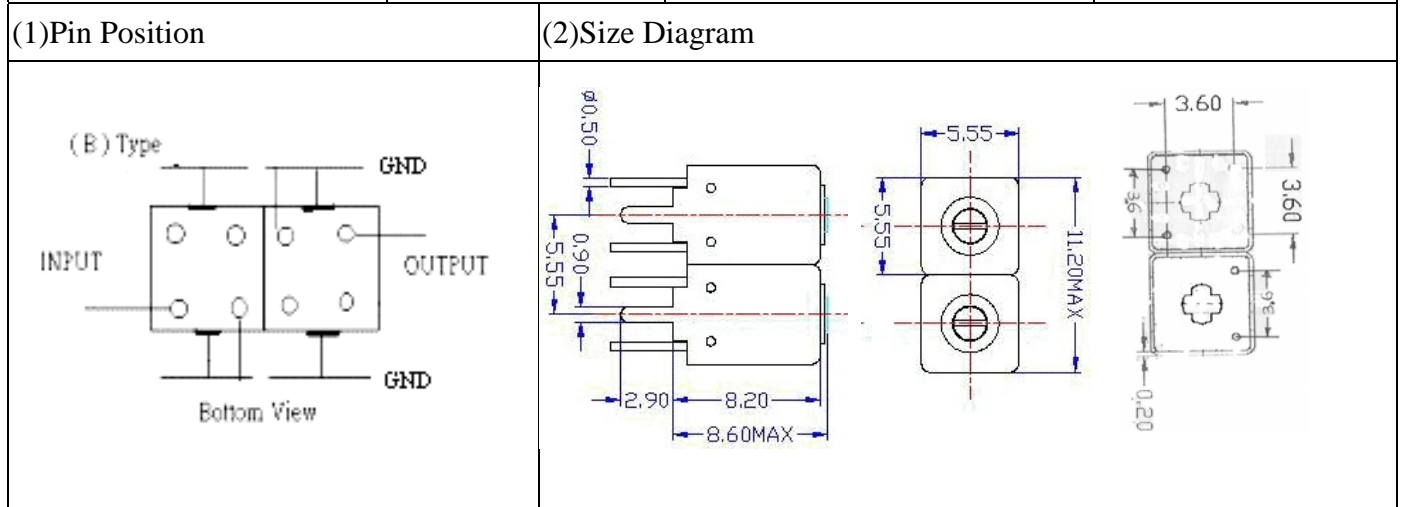


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDW2475B-650M
Approval No. /dated	20111084DB	Acceptable Specify Fo. Range	601~650MHz
Work Instruction No.	20111084DB	Date	Nov.20.2001



(3) Electric Character			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	650 MHz	650	MHz
Tunable Range:	650±5 MHz	650±5	MHz
Insertion Loss	Typ. 5.0 dB	3.91	dB
-3 dB Bandwidth	Typ. 11 MHz	17.4	MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 31	dBc
	Fo + 50 MHz	Typ. 20	dBc
	Fo - ()MHz	Typ.	dBc
	Fo +()MHz	Typ.	dBc
Return Loss	Min. 12 dB	20	dB
Ripple	< 1 dB		dB
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	

(4) Torque for Tuning Screw	> 60gf · cm
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(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*3.5) 5HW024RB3

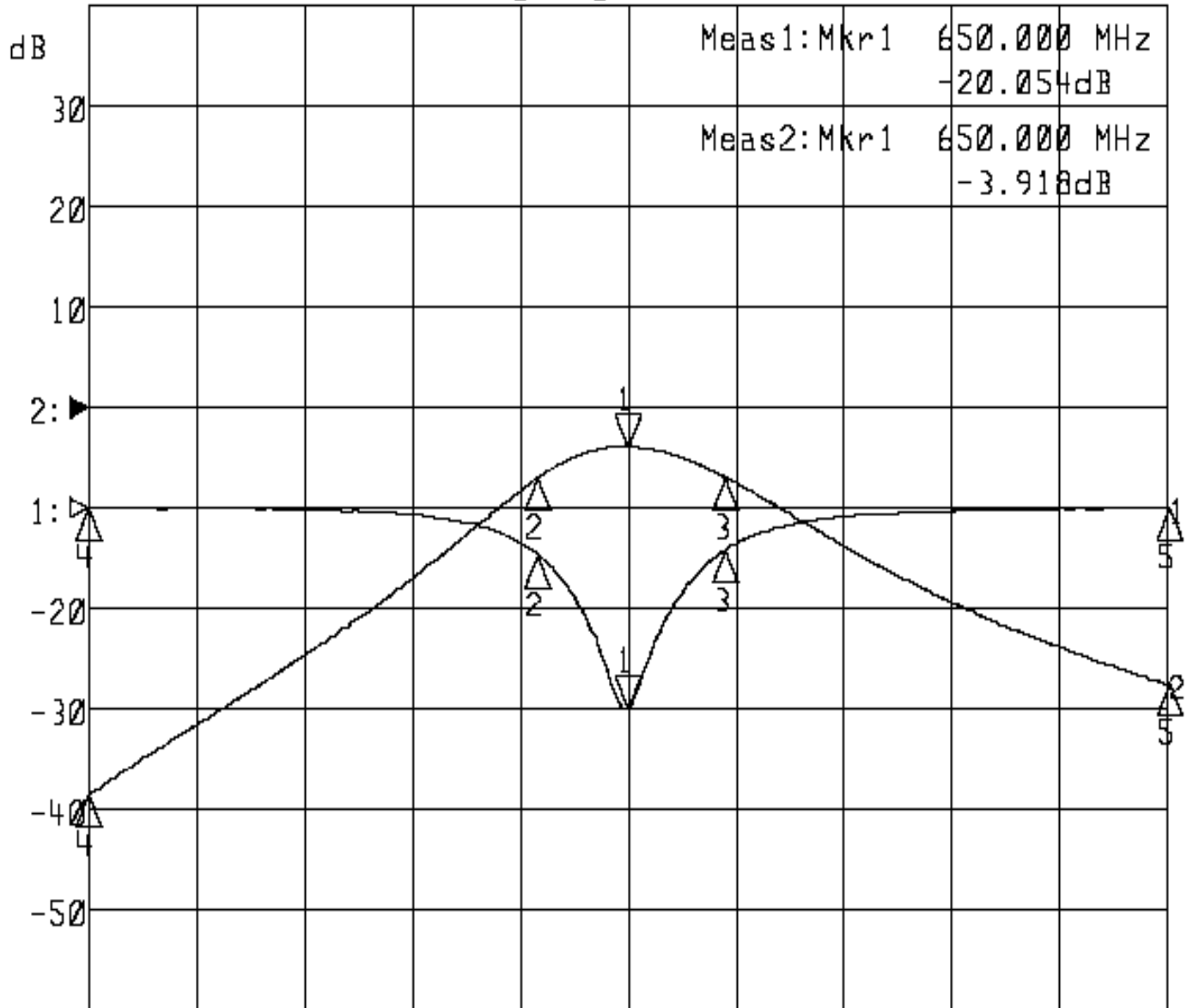
TEMWELL CORPORATION

Performance- TDW2475B-650M

20111084DB

▶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 650.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 650.0000	-20.054	1> 650.0000	-3.918
2: 641.6667	-4.648	2: 641.6667	-6.963
3: 659.0333	-4.169	3: 659.0333	-6.883
4: 600.0000	-0.056	4: 600.0000	-38.602
5: 700.0000	-0.091	5: 700.0000	-27.576