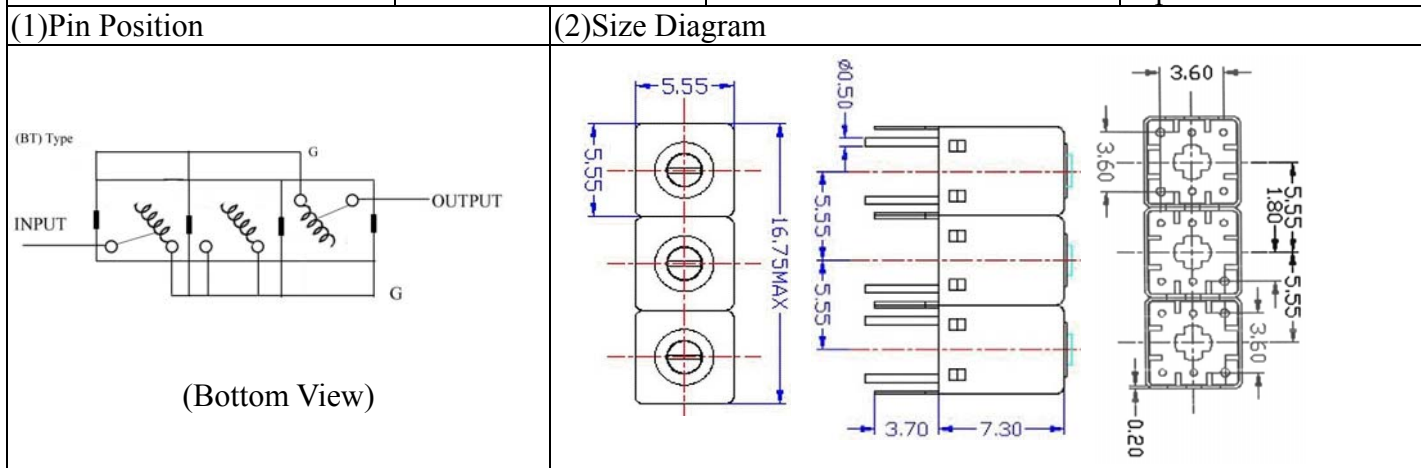


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	K3RBT-520M-14M
Approval No. /dated	0909066CD	Customer's Part No.	K3RBT 520M
Work Instruction No.	200909066CD	Date	Sep.22.2009



(3) Electric Characteristic

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	520 MHz	520 MHz	
Insertion Loss	Typ. 4.0 dB	3.41 dB	
-3 dB Bandwidth	Typ. 14 MHz	16.4 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 25 dBc	46 dBc
	Fo + 50 MHz	Typ. 22 dBc	40 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo + ( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	20.2 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	
(4) Torque for Tuning Screw	> 60gf · cm		

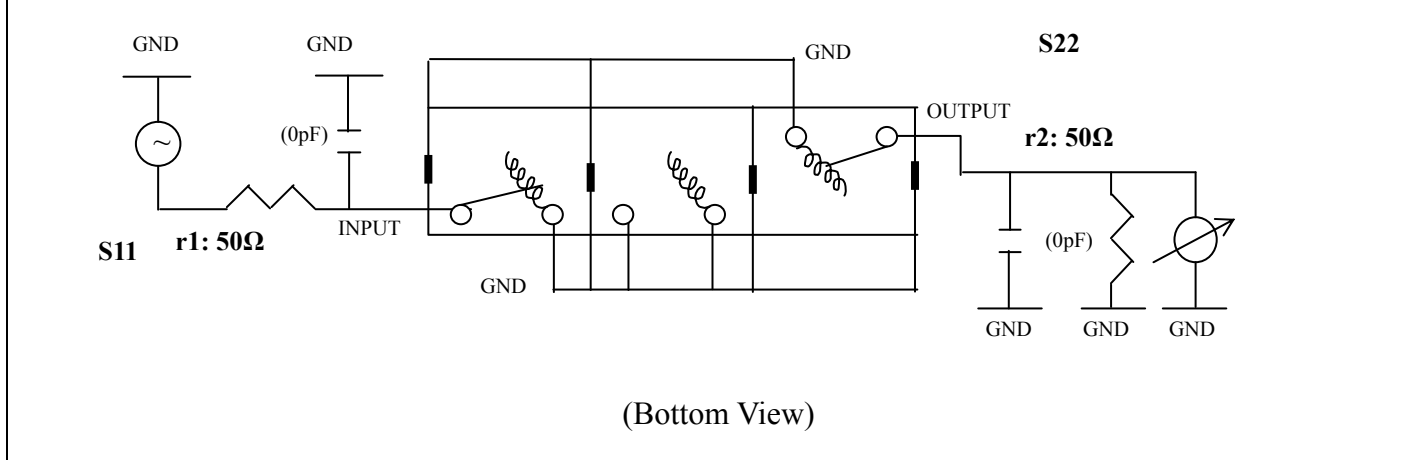
(5) Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6) Input Power

> 0.5Watt

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω/ by parallel with about( 0pF) / ( 0pF).



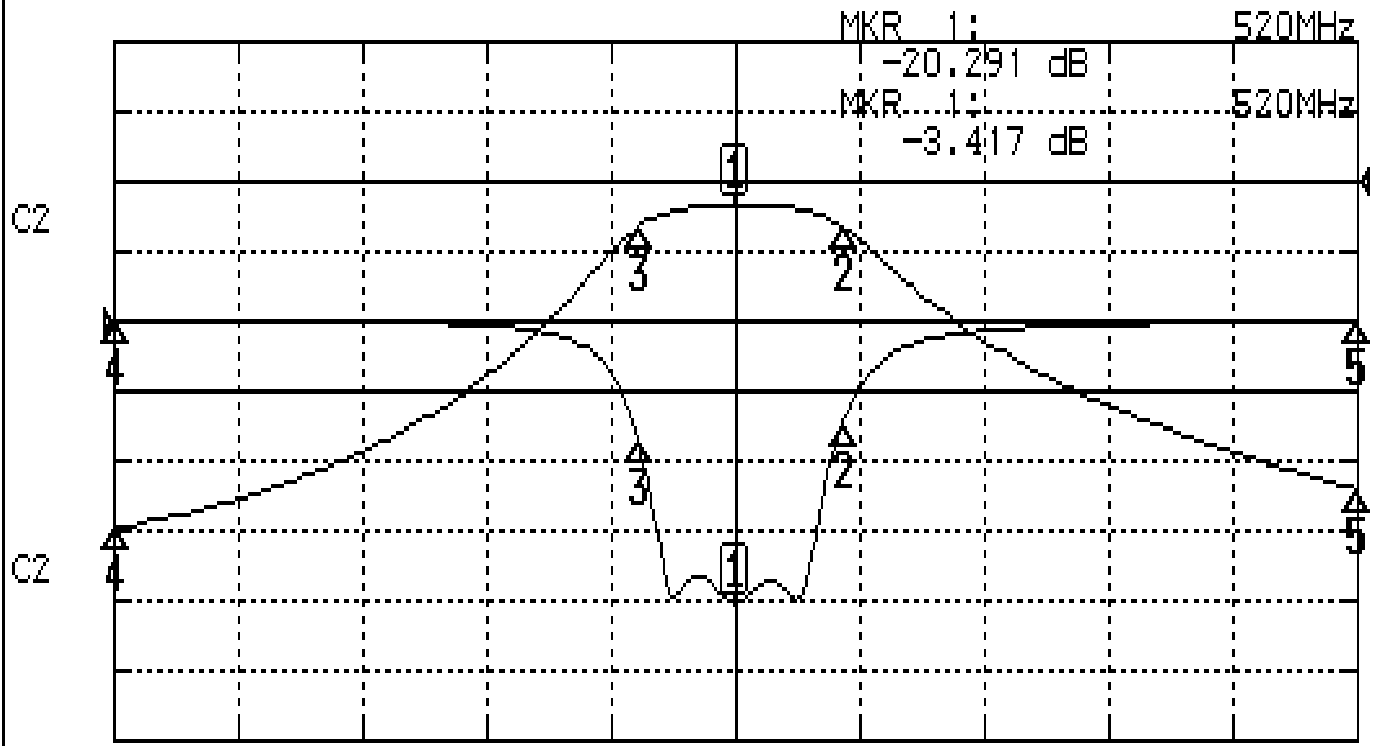
Approval C.Y.Chang	Supervisor C.K.Chang	Designer C.H.Yeh	Aperture size 5R3S(3.8*3.7)(3.70) 5HW024RB3
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TEMWELL CORPORATION

# Performance-K3RBT-520M-14M

## 200909066CD

CH1 S11 LOG MAG REF 0.000 dB 5.000 dB/  
CH2 S21 LOG MAG REF 0.000 dB 10.000 dB/



CENTER 520MHz

[ 10.00 dBm ]

SPAN 100MHz

### CH1 MARKER LIST

1:	520.000MHz	-20.291 dB
2:	528.666MHz	-7.371 dB
3:	512.250MHz	-8.600 dB
4:	470.000MHz	0.079 dB
5:	570.000MHz	0.010 dB
6:		
7:		
8:		
9:		
10:		

### CH2 MARKER LIST

1:	520.000MHz	-3.415 dB
2:	528.666MHz	-6.476 dB
3:	512.250MHz	-6.458 dB
4:	470.000MHz	-49.424 dB
5:	570.000MHz	-44.005 dB
6:		
7:		
8:		
9:		
10:		