

# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	K3BT-425M-20M
Approval No. /dated	0904139CD	Customer's Part No.	
Work Instruction No.	200904139CD	Date	Jun.24.2009

(1)Pin Position	(2)Size Diagram
<p>(BT) Type</p> <p>INPUT OUTPUT</p> <p>Bottom View</p>	

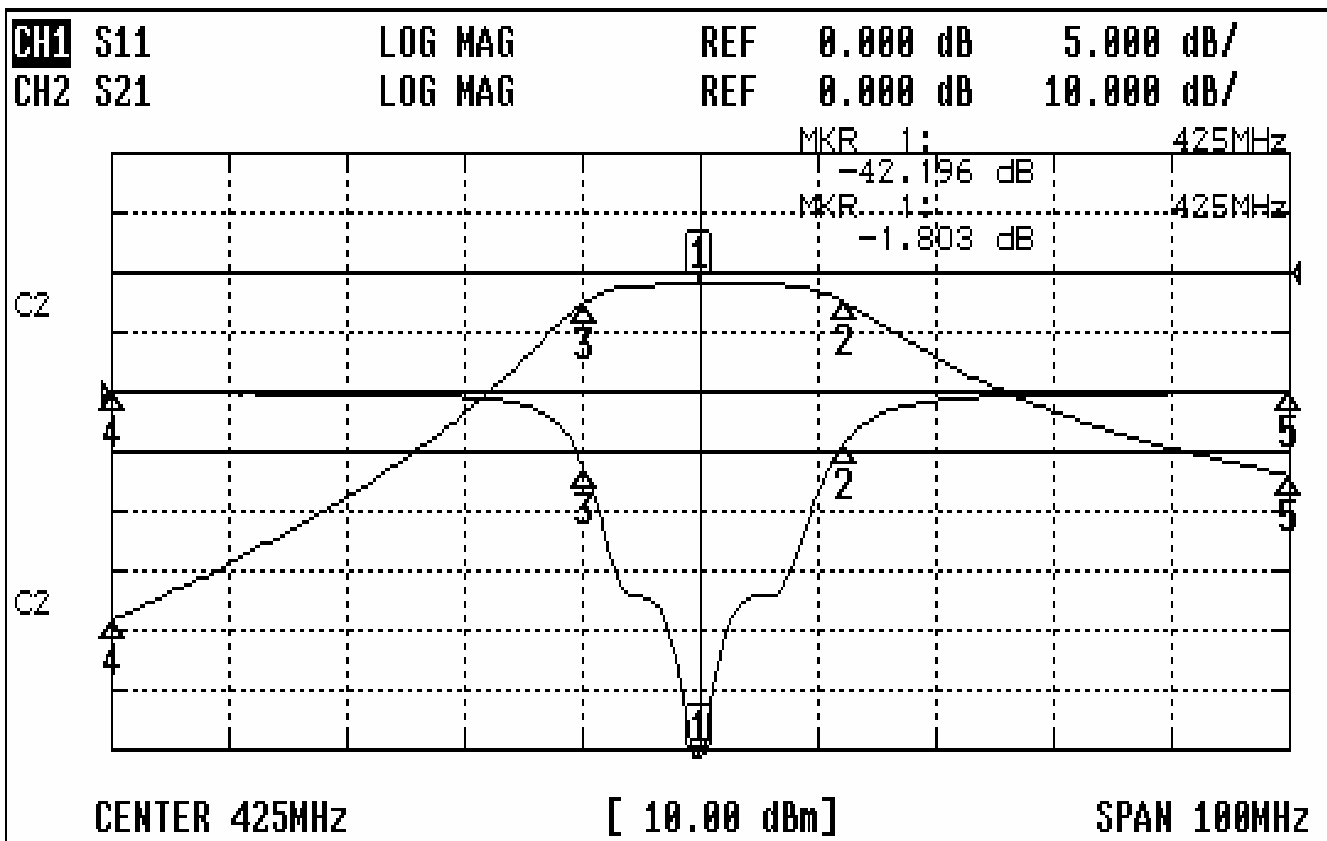
(3)Electric Charasteric	
Item	Specify
Center Freq.(Fo ) +/- 0.5 %	425 MHz
Insertion Loss	Typ. 3.0 dB
-3 dB Bandwidth	Typ. 20 MHz
Sensitivity (Attenuation )	Fo - 50 MHz Typ. 36 dBc
	Fo + 50 MHz Typ. 26 dBc
	Fo - ( )MHz Typ. dBc
	Fo +( )MHz Typ. dBc
Return Loss	Min. 12 dB
Ripple	< 1 dB
Impedance	In / Out : 50 Ω
(4)Torque for Tuning Screw	> 100gf cm
(5)Temperature Condition:	
Operating Temperature	0 ~ +60
Storage Temperature	-20 ~ +70
(6)Input Power	> 1Watt

(7)Measuring Circuit:	Easy to match Impedance S11/S22 50Ω/ by parallel with about(0 pF) / (0.5 pF).
<p>S11</p> <p>S22</p> <p>OUTPUT</p> <p>r1: 50Ω</p> <p>(0pF)</p> <p>r2: 50Ω</p> <p>(0.5pF)</p> <p>(Bottom View)</p>	

Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	J.F.Lin	7H3S(4*7.5)(7.59) 7H046RB4
TEMWELL CORPORATION			

# Performance-K3BT-425M-20M

## 200904139CD



### CH1 MARKER LIST

1:	425.000MHz	-42.196	dB
2:	437.333MHz	-4.300	dB
3:	415.250MHz	-1.600	dB
4:	375.000MHz	-0.120	dB
5:	475.000MHz	-0.106	dB
6:			
7:			
8:			
9:			
10:			

### CH2 MARKER LIST

1:	425.000MHz	-1.803	dB
2:	437.333MHz	-4.910	dB
3:	415.250MHz	-4.833	dB
4:	375.000MHz	-0.200	dB
5:	475.000MHz	-0.076	dB
6:			
7:			
8:			
9:			
10:			