

VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTW31076B-1960M
Approval No. /dated	201902020CD	Temwell's Print Name	31076B 1960M
Work Instruction No.	201902020CD	Date	Mar.14.2019

<p>(1) Pin Position</p> <p style="text-align: center;">Bottom View</p>	<p>(2) Size Diagram</p>
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(3) Electric Character			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		1960 MHz	1960 MHz
Insertion Loss		Typ. 4.0 dB	2.79 dB
-3 dB Bandwidth		Typ. 60 MHz	65.7 MHz
Sensitivity (Attenuation)	Fo - 100 MHz	Typ. 24 dBc	29 dBc
	Fo + 100 MHz	Typ. 16 dBc	21 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	21.8 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(---)

(Bottom View)

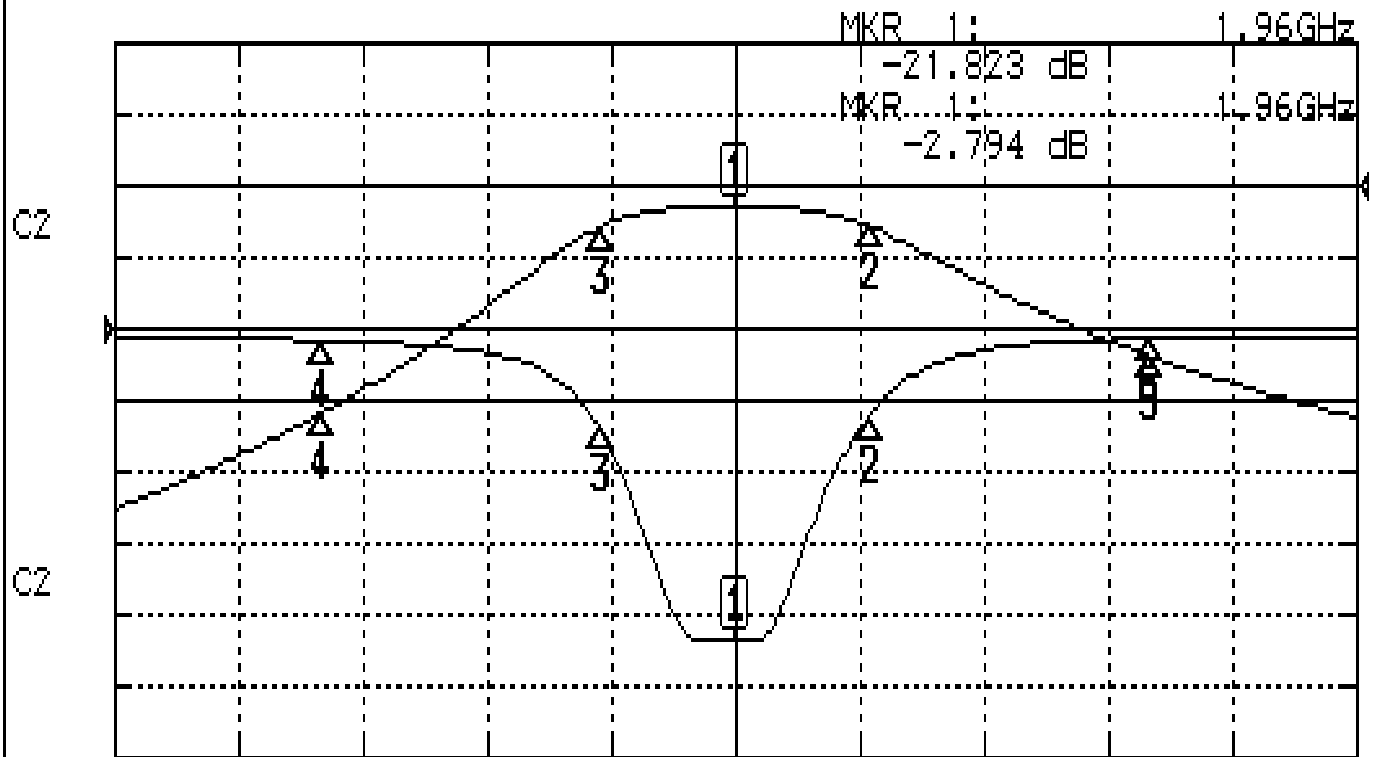
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.K.Chang	C.H.Yeh	5W3S(3.8*4.5)(4.57) 5HW046RB3.2(J1)

TEMWELL CORPORATION

Performance-TTW31076B-1960M

201902020CD

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



CENTER 1.96GHz

[10.00 dBm]

SPAN 300MHz

CH1 MARKER LIST

1:	1.960	000GHz	-21.823	dB
2:	1.992	750GHz	-15.862	dB
3:	1.927	000GHz	-10.867	dB
4:	1.860	000GHz	-0.800	dB
5:	2.060	000GHz	-0.671	dB

CH2 MARKER LIST

1:	1.960	000GHz	-2.794	dB
2:	1.992	750GHz	-11.750	dB
3:	1.927	000GHz	-15.740	dB
4:	1.860	000GHz	-31.732	dB
5:	2.060	000GHz	-23.765	dB