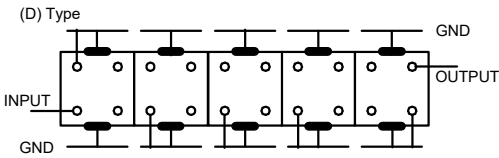
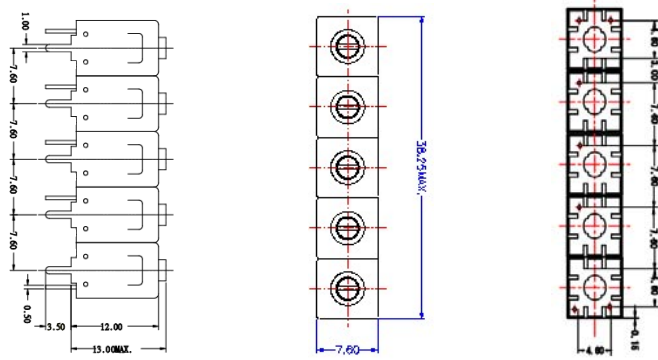


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TV70242D-700M
Approval No. /dated		Customer's Print Name	70242D 700M
Work Instruction No.	202010040CD	Date	Nov.23.2020

(1)Pin Position	(2)Size Diagram
	

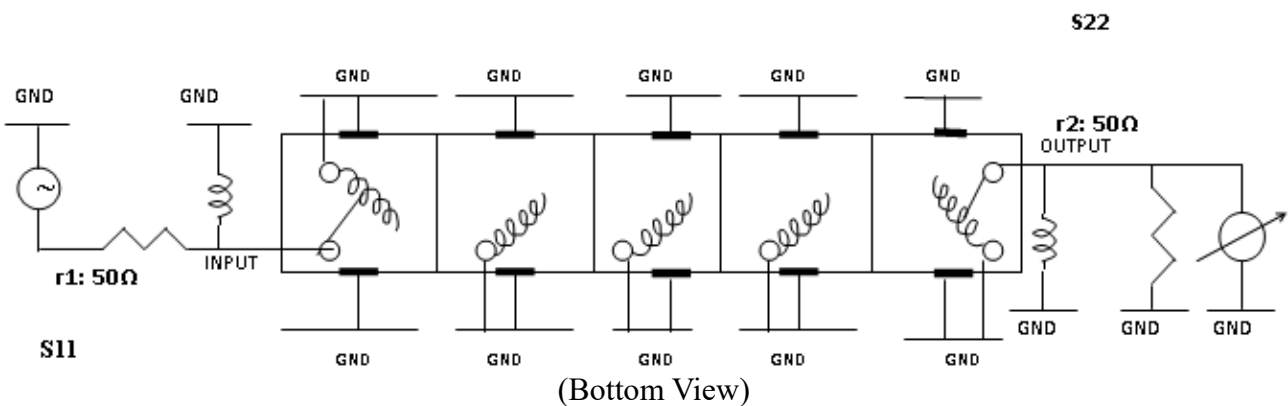
(3)Electric Charasteric			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		700 MHz	700 MHz
Insertion Loss		Typ 5.5 dB	4.43 dB
-3 dB Bandwidth		Typ. 14 MHz	16.9 MHz
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 58 dBc	68 dBc
	Fo + 50 MHz	Typ. 57 dBc	67 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss		Min. 12 dB	29.0 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	> 1 Watt
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(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about(- -).



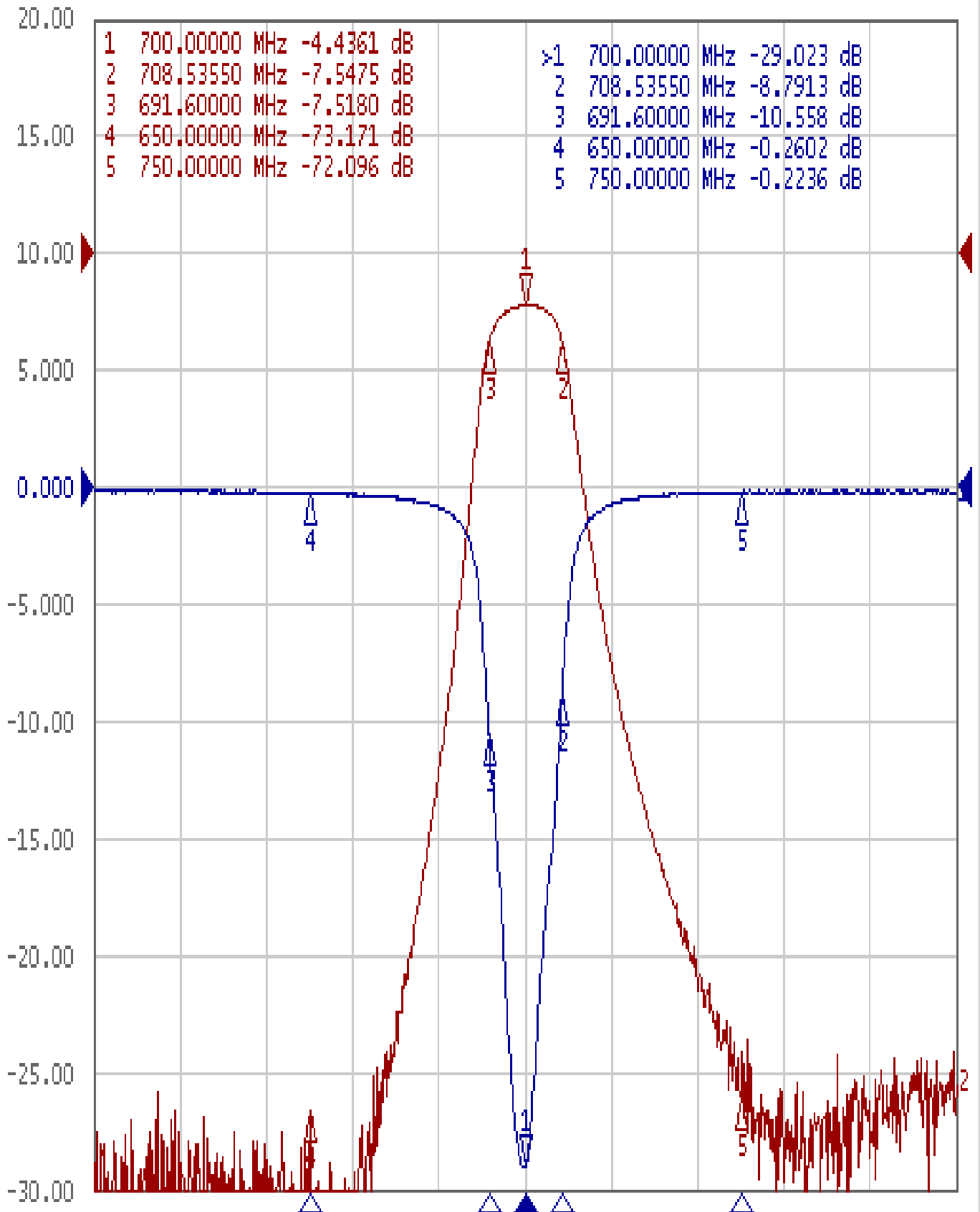
Approval	Supervisor	Designer	Aperture size
C.C.Chang	C.K.Chang	W.H. Wang	7H5S(4*5.5)(5.53) 7H046LB4.3 聚 3

TEMWELL CORPORATION

Performance- TV70242D-700M

202010040CD

Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]
Tr2 S21 Log Mag 10.000dB/ Ref 0.000dB [F2]



1 Center 700 MHz

IFBW 70 kHz

Span 200 MHz Cor !