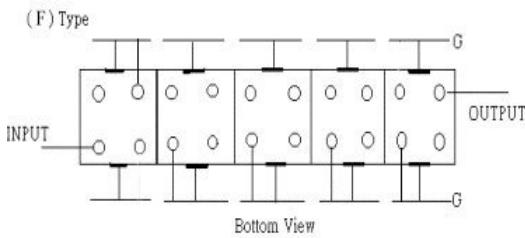
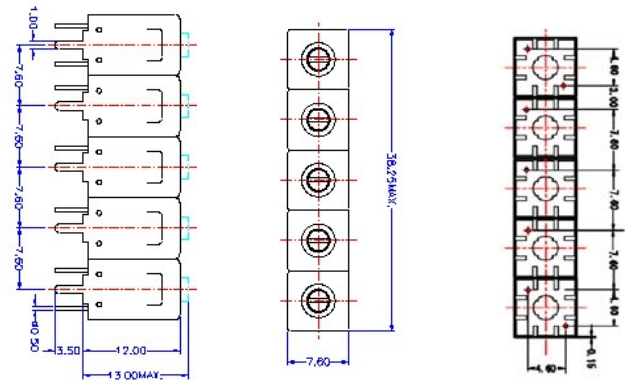


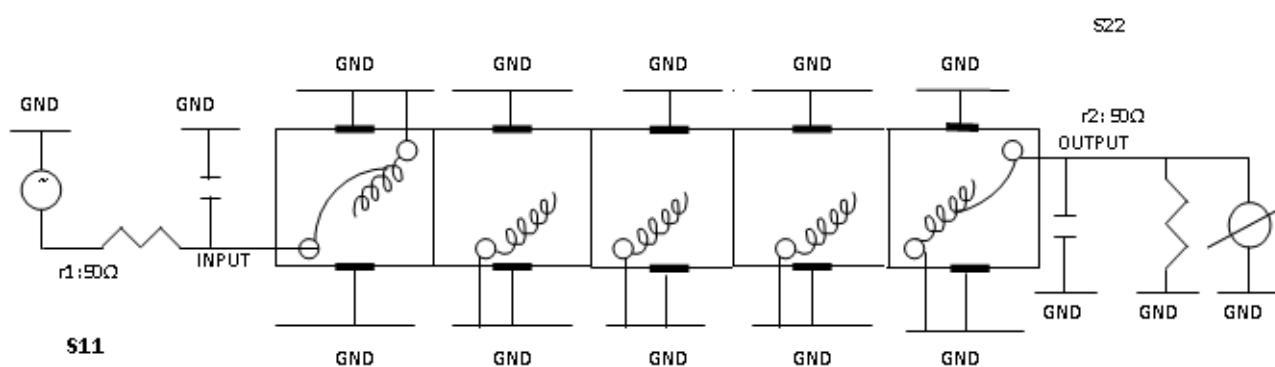
VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|-------------|-----------------------|----------------|
| Customer Name | | Temwell's Part No. | TV70633F-660M |
| Approval No. /dated | | Temwell's Print Name. | 70633F 660M |
| Work Instruction No. | 202010038CD | Date | Nov.19.2020 |

| | |
|---|--|
| (1)Pin Position | (2)Size Diagram |
|  <p>(F) Type</p> <p>INPUT</p> <p>OUTPUT</p> <p>G</p> <p>G</p> <p>Bottom View</p> |  |

| (3)Electric Character | | | | | |
|------------------------------|--------------|-----------------|--|-----------------|--|
| Item | | Specify | | Performance | |
| Center Freq.(Fo) +/- 0.5 % | | 660 MHz | | 660 MHz | |
| Insertion Loss | | Typ. 2.5 dB | | 1.55 dB | |
| -3 dB Bandwidth | | Typ. 58 MHz | | 61.8 MHz | |
| Sensitivity (Attenuation) | Fo - 100 MHz | Typ. 73 dBc | | 83 dBc | |
| | Fo +100 MHz | Typ. 40 dBc | | 45 dBc | |
| | Fo - ()MHz | Typ. dB | | dB | |
| | Fo +()MHz | Typ. dB | | dB | |
| Return Loss | | Min. 12 dB | | 21.7 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 | | > 1Watt | | | |

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



(Bottom View)

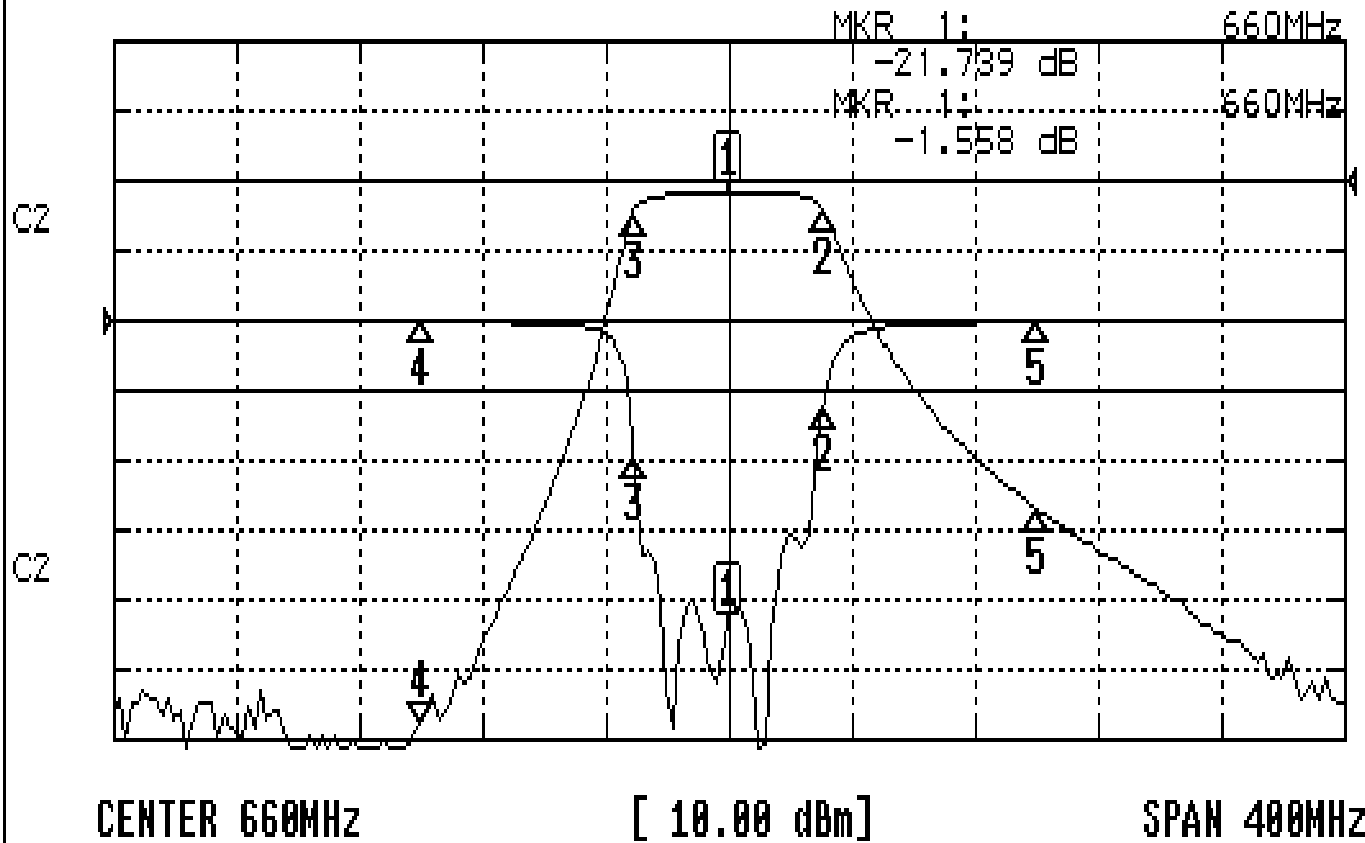
| | | | |
|-----------------------|-------------------------|----------------------|---|
| Approval C.C.Chang | Supervisor C.K.Chang | Designer Z.Y.Wang | Aperture size 7H5S(4*6.35)(6.38) 7H046LB5.5 |
|-----------------------|-------------------------|----------------------|---|

TEMWELL CORPORATION

Performance-TV70633F-660M

202010038CD

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



CH1 MARKER LIST

| | | |
|----|------------|------------|
| 1: | 660.000MHz | -21.748 dB |
| 2: | 691.000MHz | -6.007 dB |
| 3: | 629.170MHz | -9.405 dB |
| 4: | 560.000MHz | -0.072 dB |
| 5: | 760.000MHz | -0.074 dB |

CH2 MARKER LIST

| | | |
|----|------------|------------|
| 1: | 660.000MHz | -1.558 dB |
| 2: | 691.000MHz | -4.574 dB |
| 3: | 629.170MHz | -4.577 dB |
| 4: | 560.000MHz | -85.084 dB |
| 5: | 760.000MHz | -46.858 dB |