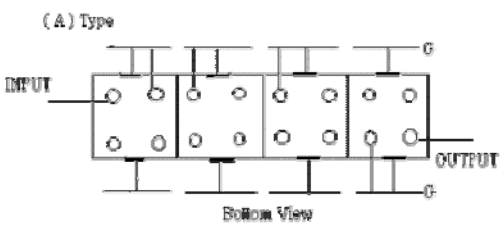
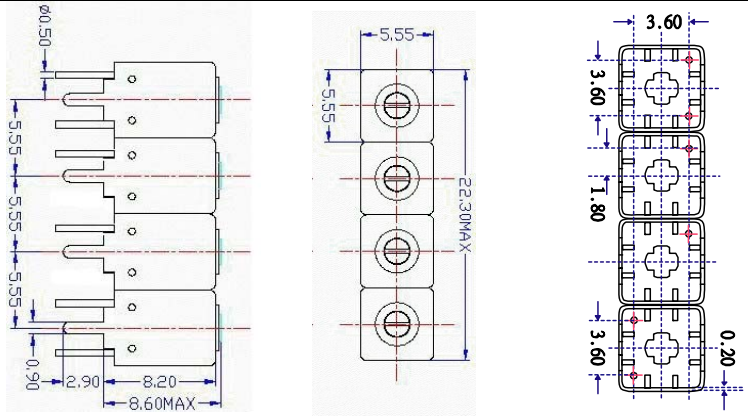


VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|-------------|----------------------|---------------|
| Customer Name | | Temwell's Part No. | TFW4891A-475M |
| Approval No. /dated | 201801051CD | Temwell,s print Name | 4891A 475M |
| Work Instruction No. | 201801051CD | Date | Jan.30.2018 |

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

(3)Electric Charasteric

| Item | Specify | Performance | |
|------------------------------|-----------------|-----------------|--------|
| Center Freq.(Fo) +/- 0.5 % | 475 MHz | 475 MHz | |
| Insertion Loss | Typ. 5.0 dB | 3.71 dB | |
| -3 dB Bandwidth | Typ. 10 MHz | 17.4 MHz | |
| Sensitivity (Attenuation) | Fo - 50 MHz | Typ. 64 dBc | 74 dBc |
| | Fo + 50 MHz | Typ. 50 dBc | 60 dBc |
| | Fo - ()MHz | Typ. dBc | dBc |
| | Fo +()MHz | Typ. dBc | dBc |
| Return Loss | Min. 12 dB | 34.7 dB | |
| Ripple | < 1 dB | dB | |
| Impedance | In / Out : 50 Ω | In / Out : 50 Ω | |
| (4)Torque for Tuning Screw | > 60gf · cm | | |

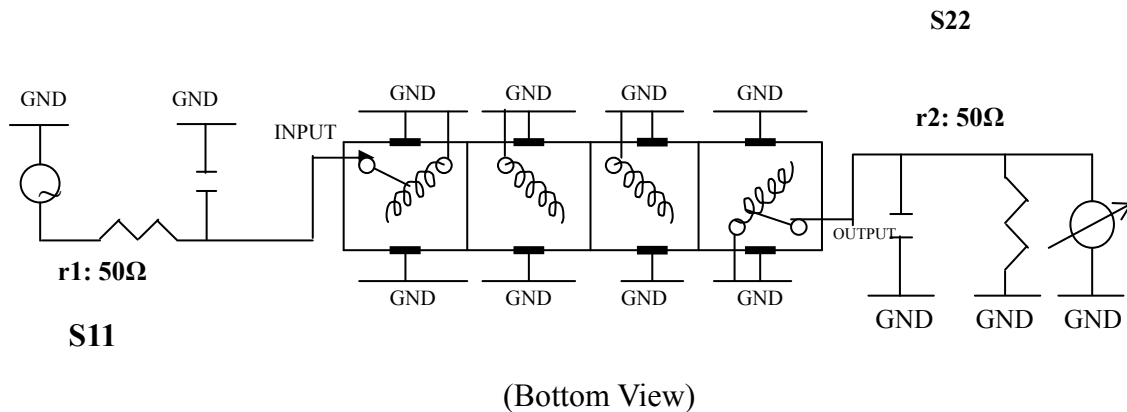
(5)Temperature Condition:

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

(6)Input Power

| | |
|--|-----------|
| | > 0.5Watt |
|--|-----------|

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

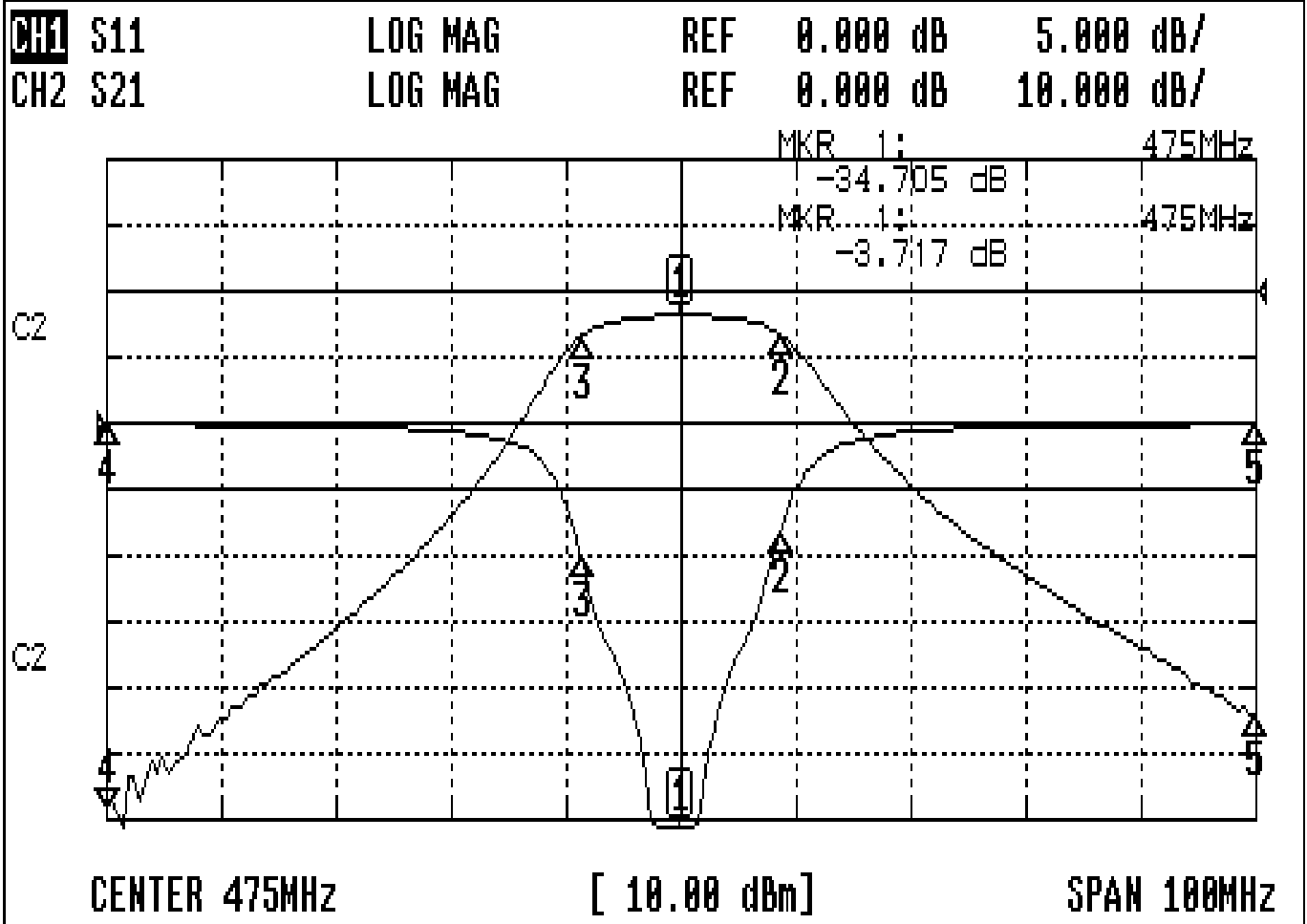


| | | | |
|-----------|------------|----------|--|
| Approval | Supervisor | Designer | Aperture size |
| C.Y.Chang | C.K.Chang | W.W.Wang | 5W4S(3.8*3.5)(3.54) 5HW020RB3.5(J1) |

TEMWELL CORPORATION

Performance-TFW4891A-475M

201801051CD



CH1 MARKER LIST

| | | |
|----|------------|------------|
| 1: | 475.000MHz | -34.705 dB |
| 2: | 483.750MHz | -18.009 dB |
| 3: | 466.333MHz | -10.066 dB |
| 4: | 425.000MHz | -10.129 dB |
| 5: | 525.000MHz | -0.117 dB |

CH2 MARKER LIST

| | | |
|----|------------|------------|
| 1: | 475.000MHz | -3.717 dB |
| 2: | 483.750MHz | -6.713 dB |
| 3: | 466.333MHz | -6.733 dB |
| 4: | 425.000MHz | -78.221 dB |
| 5: | 525.000MHz | -64.338 dB |