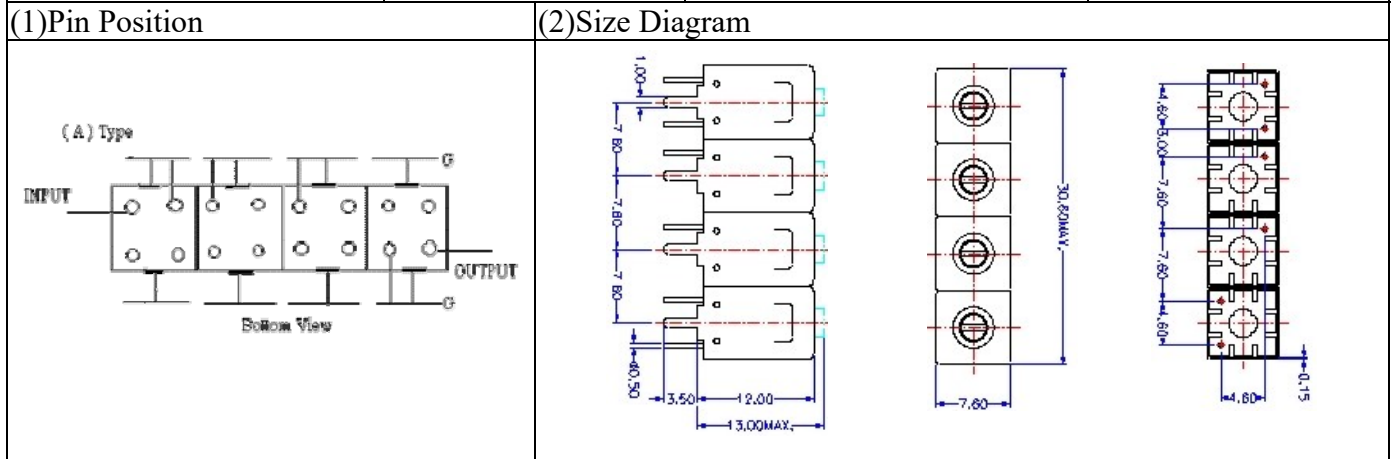


VHF UHF Helical Filter Specification Sheet

| | | | |
|----------------------|-------------|----------------------|----------------|
| Customer Name | | Temwell's Part No. | TF64844A-395M |
| Approval No. /dated | 201812002CD | Temwell's Print Name | 64844A 395M |
| Work Instruction No. | 201812002CD | Date | Jan.4.2019 |



(3) Electric Characteristic

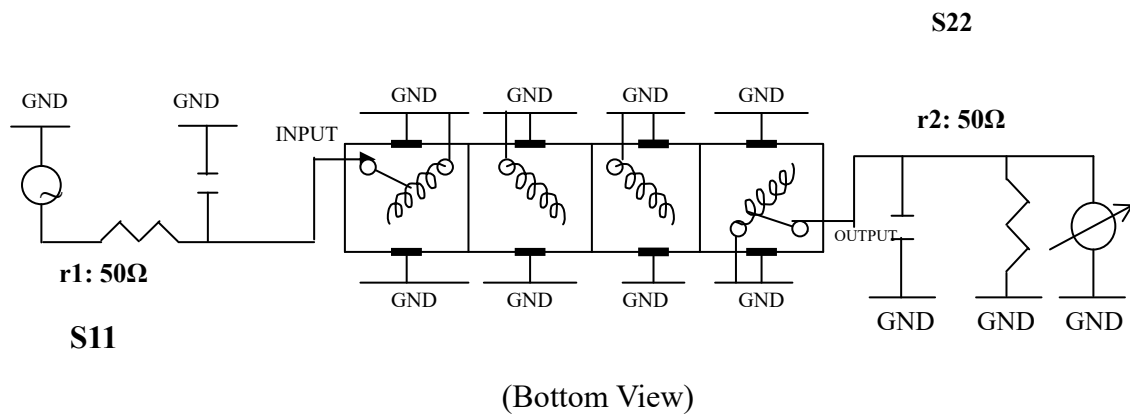
| Item | Specify | Performance | |
|------------------------------|-----------------|-----------------|--------|
| Center Freq.(Fo) +/- 0.5 % | 395 MHz | 395 MHz | |
| Insertion Loss | Typ. 4.5 dB | 3.71 dB | |
| -3 dB Bandwidth | Typ. 10 MHz | 12.1 MHz | |
| Sensitivity (Attenuation) | Fo - 50 MHz | Typ. 58 dBc | 68 dBc |
| | Fo + 50 MHz | Typ. 56 dBc | 66 dBc |
| | Fo - ()MHz | Typ. dBc | dBc |
| | Fo +()MHz | Typ. dBc | dBc |
| Return Loss | Min. 12 dB | 20.6 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(--)

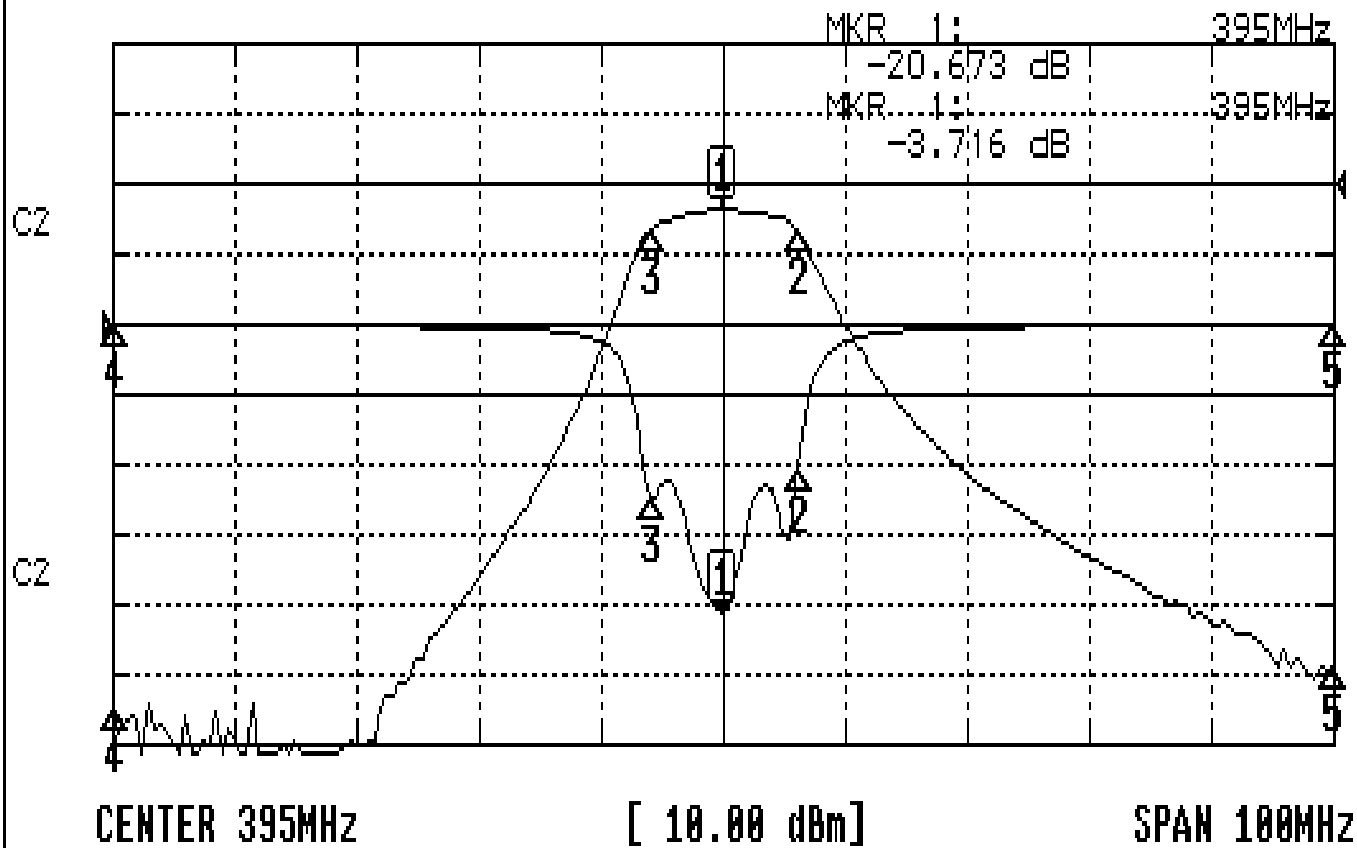


| | | | |
|---------------------|------------|----------|-------------------------------------|
| Approval | Supervisor | Designer | Aperture size |
| C.Y.Chang | C.K.Chang | W.S.Chen | 7H4S(4*5.6)(5.66) 7H046LB4.3 聚 3 |
| TEMWELL CORPORATION | | | |

Performance-TF64844A-395M

201812002CD

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: | 395.000MHz | -20.673 dB |
| 2: | 401.150MHz | -10.414 dB |
| 3: | 388.980MHz | -12.332 dB |
| 4: | 345.000MHz | -0.087 dB |
| 5: | 445.000MHz | -0.057 dB |

CH2 MARKER LIST

| | | |
|----|------------|------------|
| 1: | 395.000MHz | -3.716 dB |
| 2: | 401.150MHz | -6.762 dB |
| 3: | 388.980MHz | -6.731 dB |
| 4: | 345.000MHz | -71.966 dB |
| 5: | 445.000MHz | -70.322 dB |