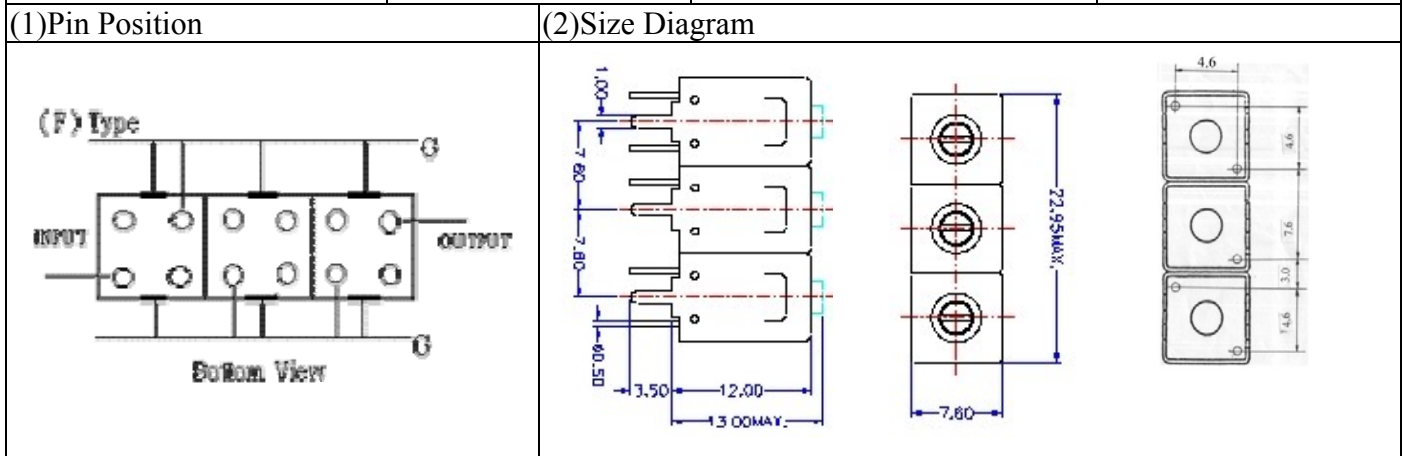


VHF UHF Helical Filter Specification Sheet

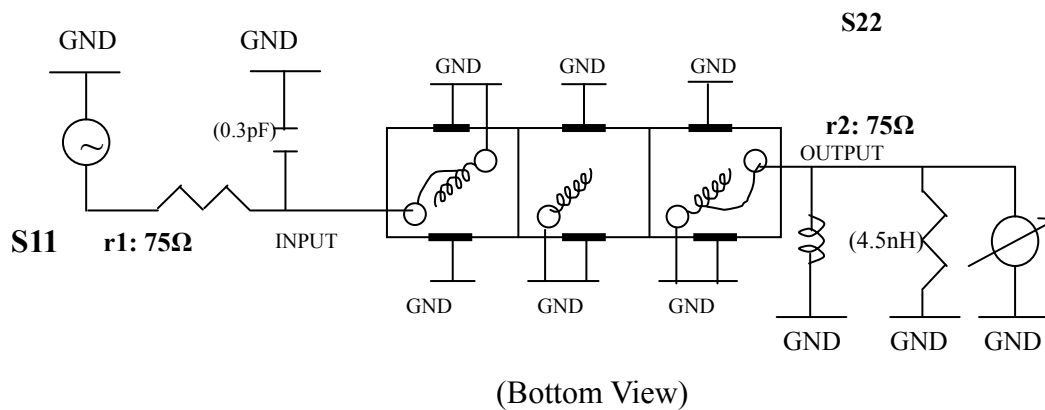
| | | | |
|----------------------|------------|-----------------------------|------------------|
| Customer Name | | Temwell's Part No. | TTL6380F-843.25M |
| Approval No. /dated | 0611108APR | Acceptable Specify Fo Range | 831~860 MHz |
| Work Instruction No. | 0611108DC | Date | Dec.08.2006 |



| (3) Electric Character | | | |
|------------------------------|-------------|-----------------|-----------------|
| Item | | Specify | Performance |
| Center Freq.(Fo) +/- 0.5 % | | 843.25 MHz | 843.25 MHz |
| Tunable Range | | 843.25±10 MHz | 843.25±10 MHz |
| Insertion Loss | | Typ. 5.5 dB | 4.47 dB |
| -3 dB Bandwidth | | Typ. 6 MHz | 10.9 MHz |
| Sensitivity (Attenuation) | Fo - 20 MHz | Typ. 22 dBc | 25 dBc |
| | Fo + 20 MHz | Typ. 17 dBc | 20 dBc |
| | Fo - ()MHz | Typ. dBc | dBc |
| | Fo +()MHz | Typ. dBc | dBc |
| Return Loss | | Min. 12 dB | 17.8 dB |
| Ripple | | < 1 dB | dB |
| Impedance | | In / Out : 75 Ω | In / Out : 75 Ω |
| (4) Torque for Tuning Screw | | > 100gf · 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 75Ω by parallel with about(0.3pF)/(4.5nH).



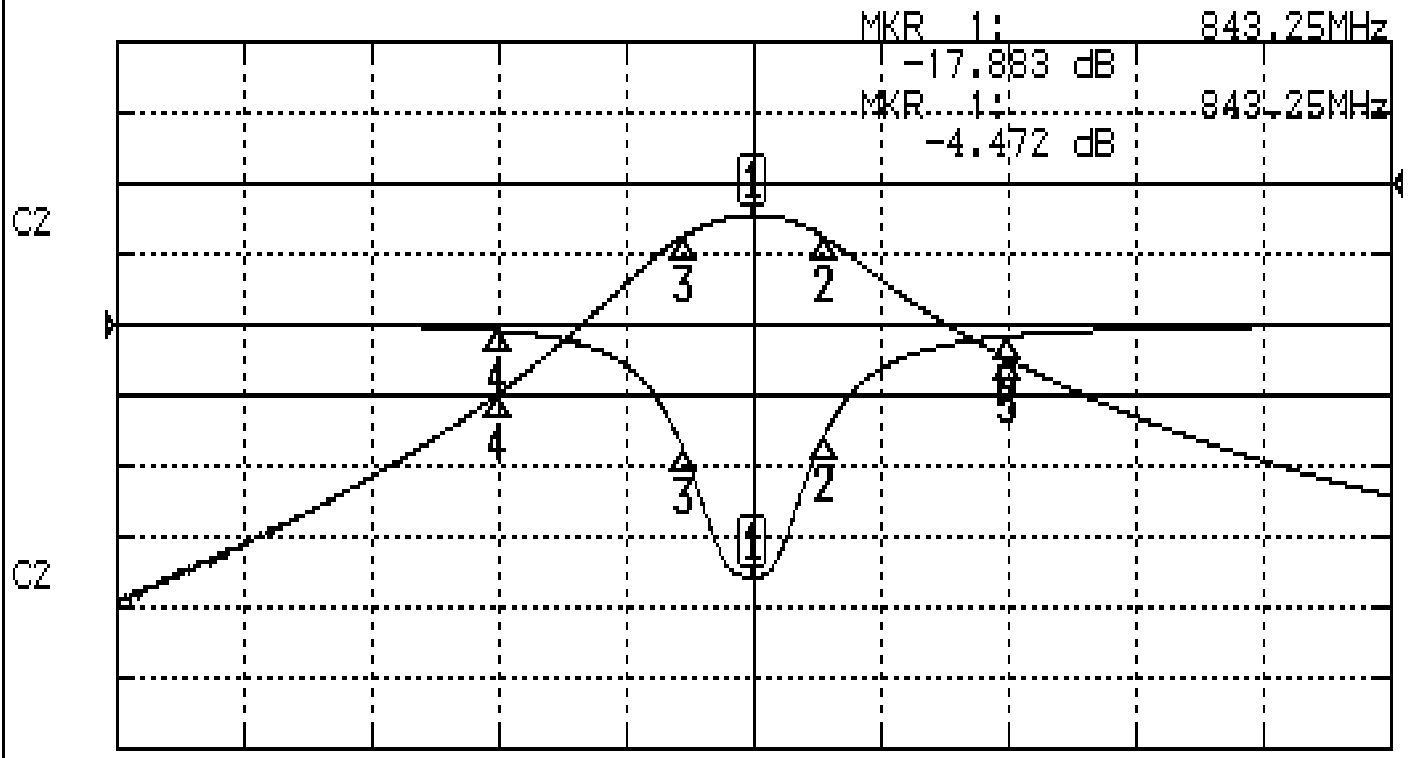
| | | | |
|-----------|------------|------------|--------------------------------------|
| Approval | Supervisor | Designer | Aperture size |
| C.Y.Chang | C.S.Chang | P.H.Chiang | 7H3(4*4.5)F 左 7H046LB4/中 7H046RB4 |

TEMWELL CORPORATION

Performance-TTL6380F-843.25M

0611108DC

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



CENTER 843.25MHz

[10.00 dBm]

SPAN 100MHz

CH1 MARKER LIST

| | | | | |
|---|------------|---------|----|--|
| 1 | 843.250MHz | -17.883 | dB | |
| 2 | 848.750MHz | -8.063 | dB | |
| 3 | 837.833MHz | -8.943 | dB | |
| 4 | 823.250MHz | -0.428 | dB | |
| 5 | 863.250MHz | -0.828 | dB | |

CH2 MARKER LIST

| | | | | |
|---|------------|---------|----|--|
| 1 | 843.250MHz | -4.472 | dB | |
| 2 | 848.750MHz | -7.471 | dB | |
| 3 | 837.833MHz | -7.474 | dB | |
| 4 | 823.250MHz | -29.847 | dB | |
| 5 | 863.250MHz | -24.801 | dB | |