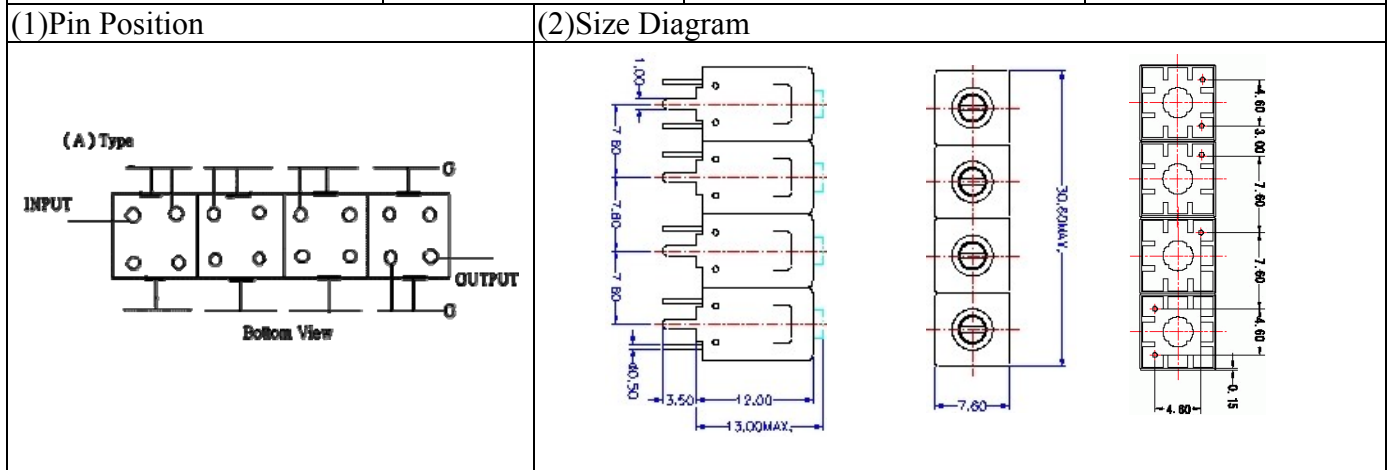


VHF UHF Helical Filter Specification Sheet

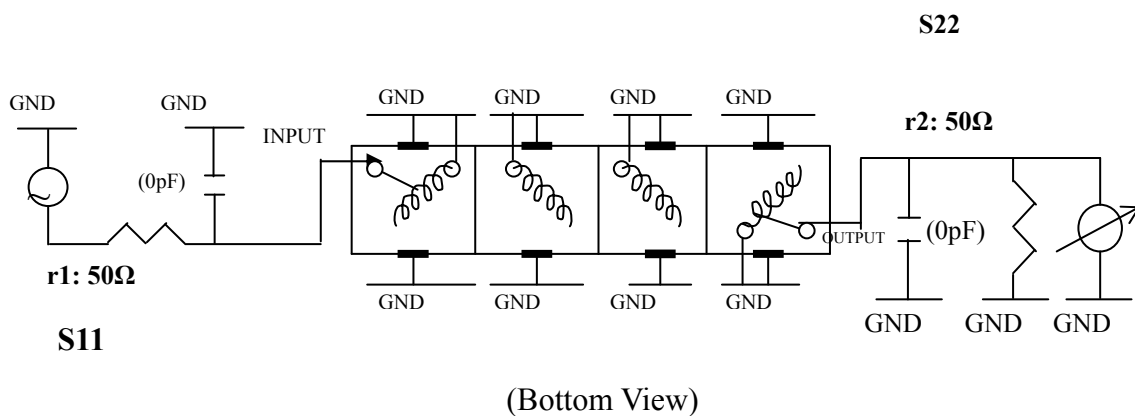
| | | | |
|----------------------|-------------|----------------------|----------------|
| Customer Name | | Temwell's Part No. | TF69503A-700M |
| Approval No. /dated | 0901090APR | Temwell's Print Name | 69503A 700M |
| Work Instruction No. | 200901090CD | Date | Feb 16.2009 |



(3) Electric Characteristic

| Item | Specify | Performance | |
|-------------------------------|-----------------|-----------------|--------|
| Center Freq.(Fo) +/- 0.5 % | 700 MHz | 700 MHz | |
| Insertion Loss | Typ. 2.0 dB | 1.17 dB | |
| -3 dB Bandwidth | Typ. 74 MHz | 78.5 MHz | |
| Sensitivity (Attenuation) | Fo - 100 MHz | Typ. 49 dBc | 52 dBc |
| | Fo + 100 MHz | Typ. 25 dBc | 28 dBc |
| | Fo - ()MHz | Typ. dBc | dBc |
| | Fo +()MHz | Typ. dBc | dBc |
| Return Loss | Min. 12 dB | 19.4 dB | |
| Ripple | < 1 dB | dB | |
| Impedance | In / Out : 50 Ω | In / Out : 50 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 /50Ω by parallel with about(0pF) / (0pF).

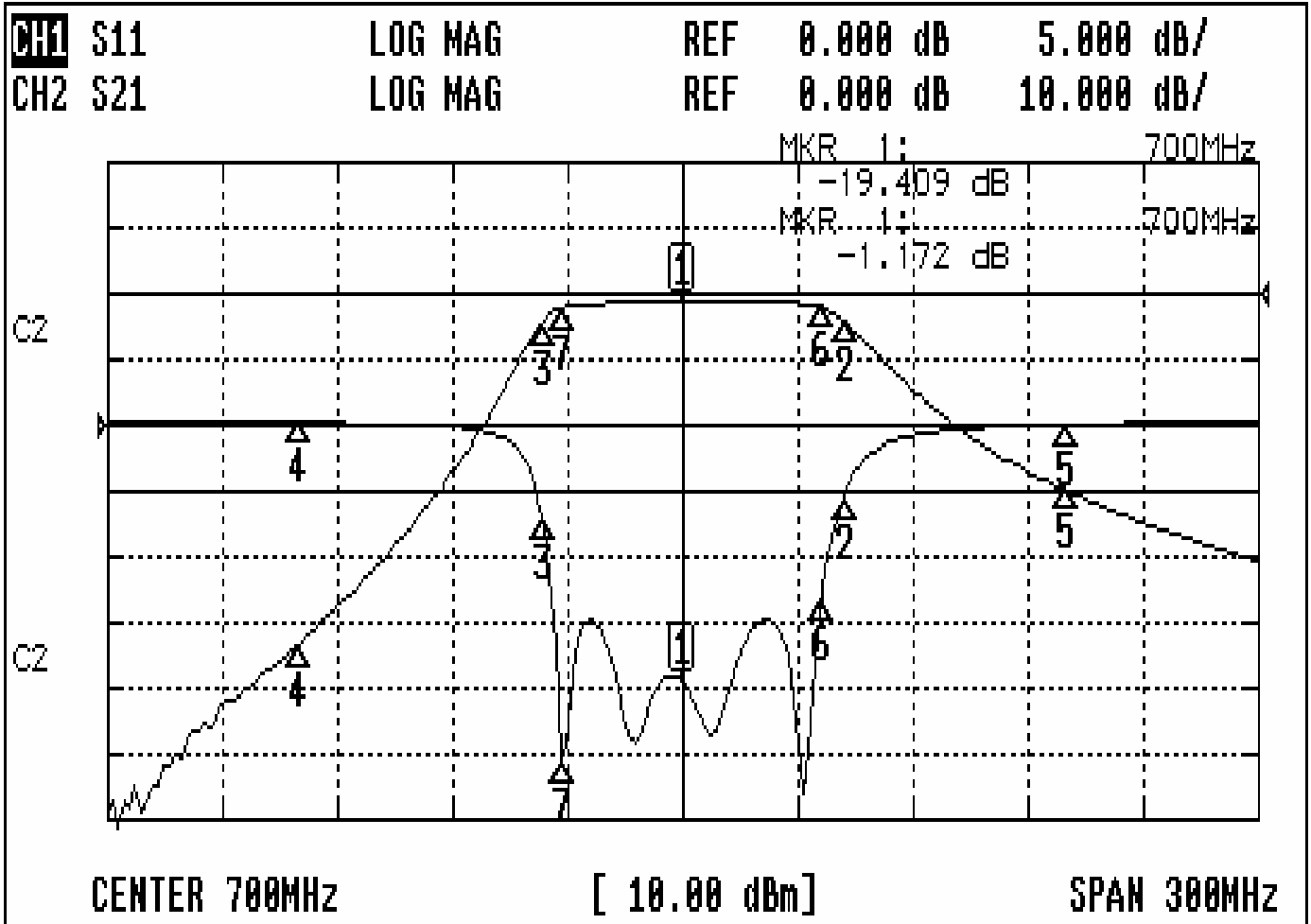


| | | | |
|-----------|------------|----------|-----------------------------------|
| Approval | Supervisor | Designer | Aperture size |
| C.Y.Chang | C.S.Chang | W.W.Wang | 7H4(4*7.5F)(7.57) (7H046LB5.5) |

TEMWELL CORPORATION

Performance-TF69503A-700M

200901090CD



CH1 MARKER LIST

| | | | |
|---|------------|---------|----|
| 1 | 700.000MHz | -19.412 | dB |
| 2 | 742.250MHz | -15.376 | dB |
| 3 | 663.750MHz | -7.401 | dB |
| 4 | 600.000MHz | 0.177 | dB |
| 4 | 800.000MHz | 0.064 | dB |
| 5 | 736.500MHz | -12.975 | dB |
| 7 | 668.750MHz | -25.303 | dB |

CH2 MARKER LIST

| | | | |
|---|------------|--------|----|
| 1 | 700.000MHz | -1.172 | dB |
| 2 | 742.250MHz | -4.175 | dB |
| 3 | 663.750MHz | -4.119 | dB |
| 4 | 600.000MHz | -5.134 | dB |
| 4 | 800.000MHz | -9.954 | dB |
| 5 | 736.500MHz | -2.165 | dB |
| 7 | 668.750MHz | -2.108 | dB |