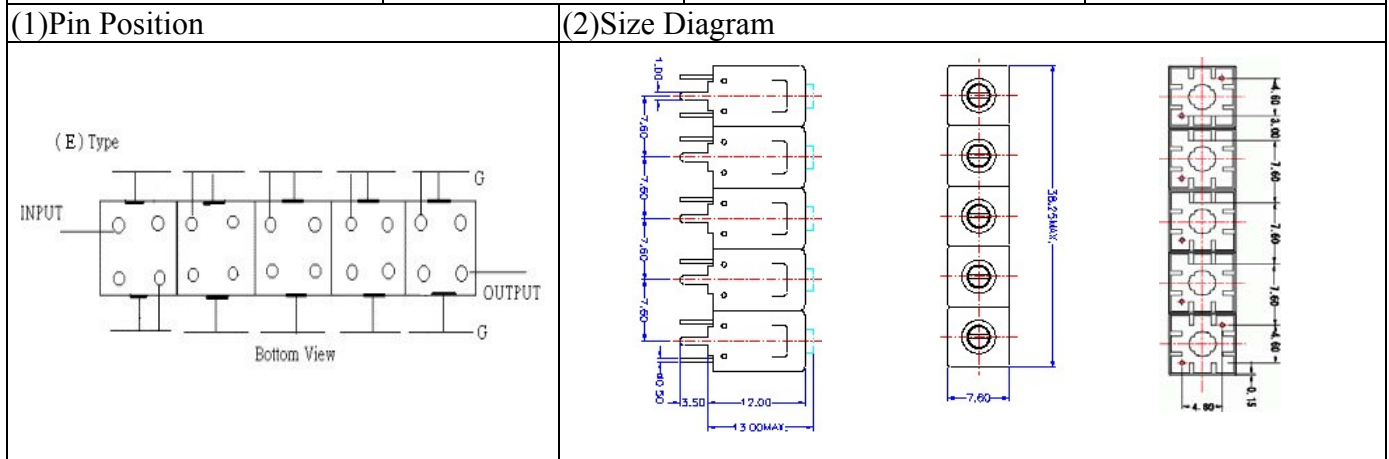


# VHF UHF Helical Filter Specification Sheet

|                      |             |                       |                |
|----------------------|-------------|-----------------------|----------------|
| Customer Name        |             | Temwell's Part No.    | TV65325E-666M  |
| Approval No. /dated  | 0903107APR  | Temwell's Print Name. | 65325E<br>666M |
| Work Instruction No. | 200903107CD | Date                  | Mar.25.2009    |



(3) Electric Character

| Item                         | Specify         | Performance     |
|------------------------------|-----------------|-----------------|
| Center Freq.(Fo ) +/- 0.5 %  | 666 MHz         | 666 MHz         |
| Insertion Loss               | Typ. 3.5 dB     | 2.74 dB         |
| -1 dB Bandwidth              | Typ. 18 MHz     | 24.8 MHz        |
| -3 dB Bandwidth              | Typ. 32 MHz     | 35 MHz          |
| Sensitivity<br>(Attenuation) | Fo - 30 MHz     | Typ. 22 dBc     |
|                              | Fo + 30 MHz     | Typ. 30 dBc     |
|                              | Fo - ( )MHz     | Typ. dB         |
|                              | Fo +( )MHz      | Typ. dB         |
| Return Loss                  | Min. 12 dB      | 17.1 dB         |
| Ripple                       | < 1 dB          | dB              |
| Impedance                    | In / Out : 50 Ω | In / Out : 50 Ω |
| (4) Torque for Tuning Screw  | > 100gf · cm    |                 |

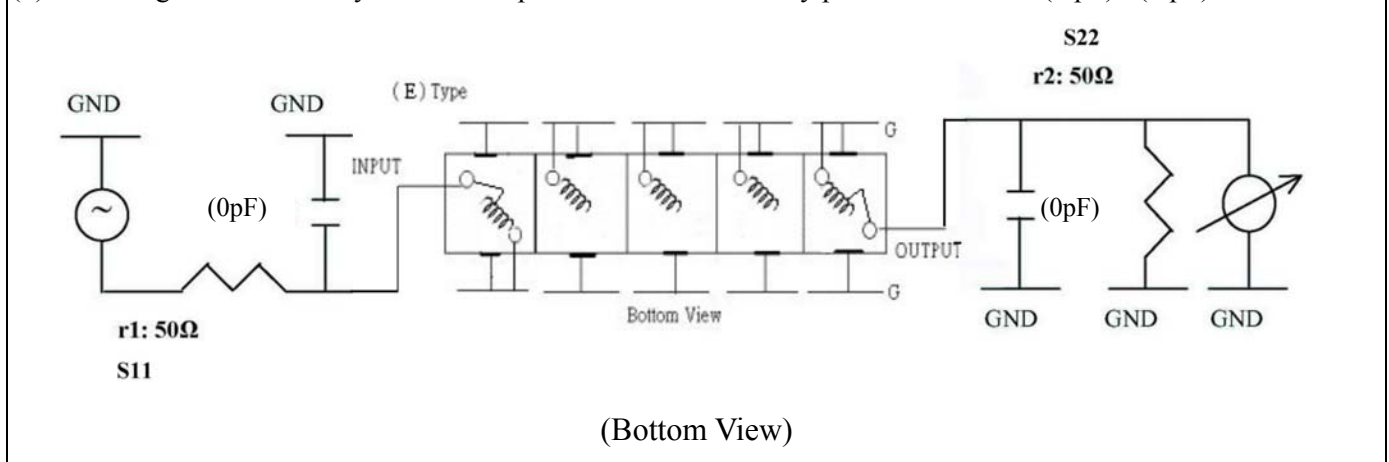
(5) Temperature Condition:

|                       |               |
|-----------------------|---------------|
| 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).



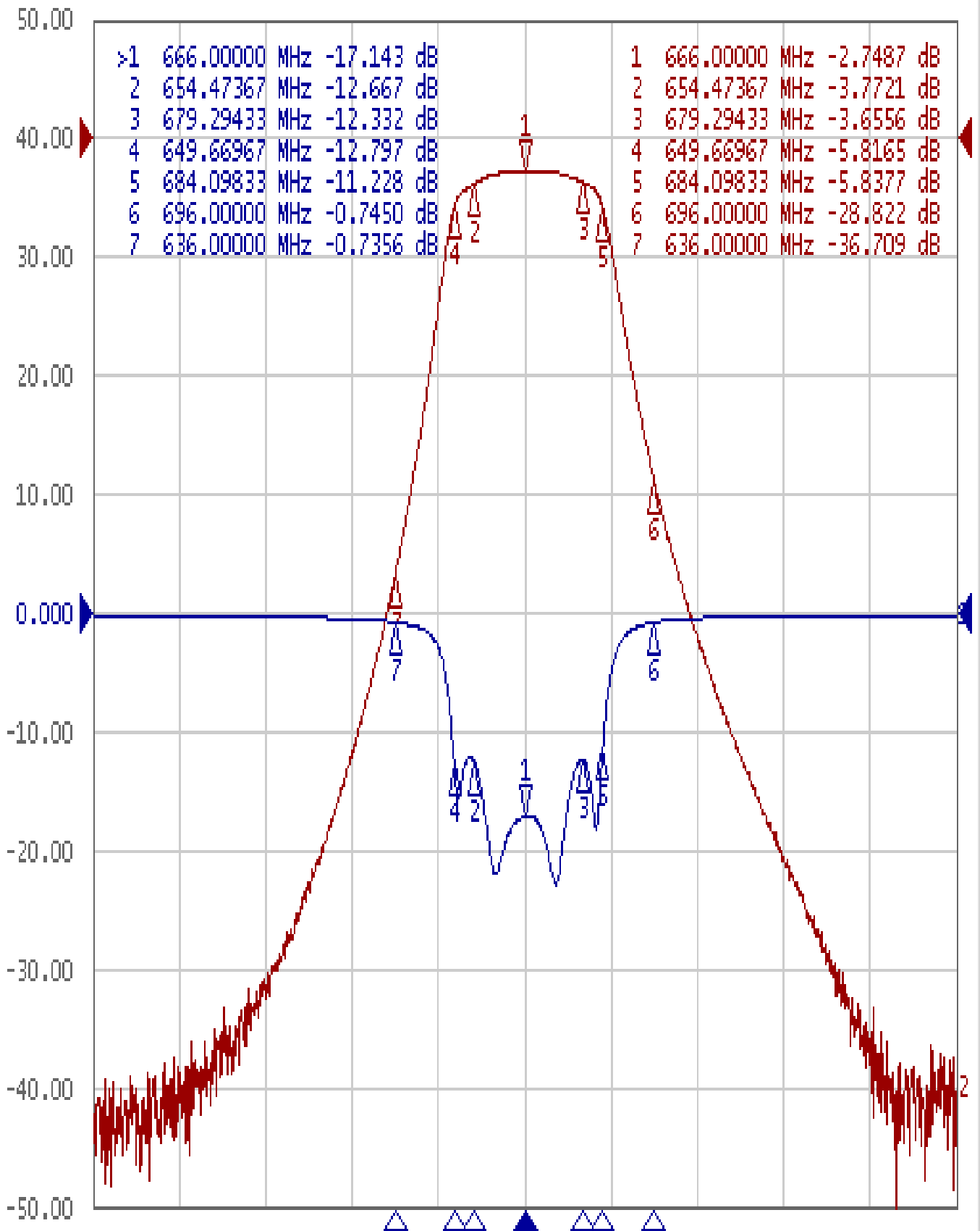
|           |            |            |                               |
|-----------|------------|------------|-------------------------------|
| Approval  | Supervisor | Designer   | Aperture size                 |
| C.Y.Chang | C.S.Chang  | P.H.Chiang | 7H5S(4*6.5)<br>7H046LB4.3 聚 3 |

TEMWELL CORPORATION

# Performance-TV65325E-666M

## 200903107CD

Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F2]  
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F2]



1 Center 666 MHz

IFBW 10 kHz

Span 200 MHz Cor !