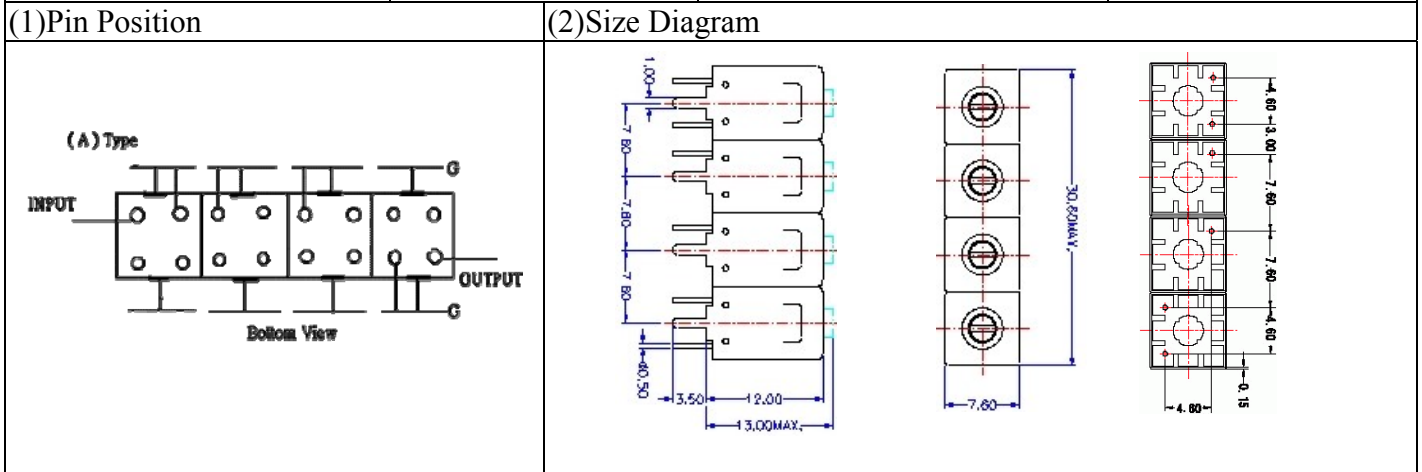


# VHF UHF Helical Filter Specification Sheet

|                      |             |                      |                |
|----------------------|-------------|----------------------|----------------|
| Customer Name        |             | Temwell's Part No.   | TF69220A-960M  |
| Approval No. /dated  | 201708089CD | Temwell's Print Name | 69220A<br>960M |
| Work Instruction No. | 201708089CD | Date                 | Oct.18.2017    |



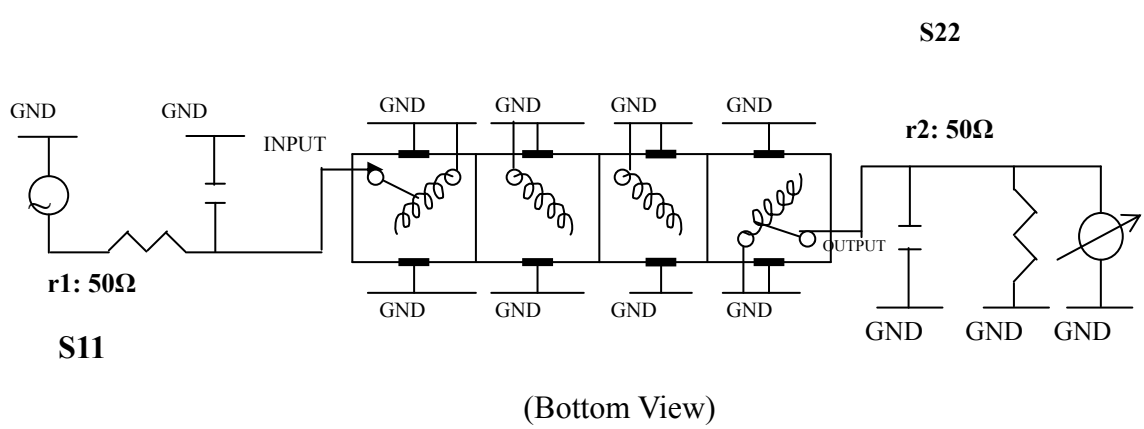
| Item                         |             | Specify         | Performance     |
|------------------------------|-------------|-----------------|-----------------|
| Center Freq.(Fo) +/- 0.5 %   |             | 960 MHz         | 960 MHz         |
| Insertion Loss               |             | Typ. 4.0 dB     | 3.37 dB         |
| -3 dB Bandwidth              |             | Typ. 22 MHz     | 29.7 MHz        |
| Sensitivity<br>(Attenuation) | Fo - 50 MHz | Typ. 49 dBc     | 54 dBc          |
|                              | Fo + 50 MHz | Typ. 35 dBc     | 40 dBc          |
|                              | Fo - ( )MHz | Typ. dBc        | dBc             |
|                              | Fo +( )MHz  | Typ. dBc        | dBc             |
| Return Loss                  |             | Min. 12 dB      | 17.7 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 > 1 Watt

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



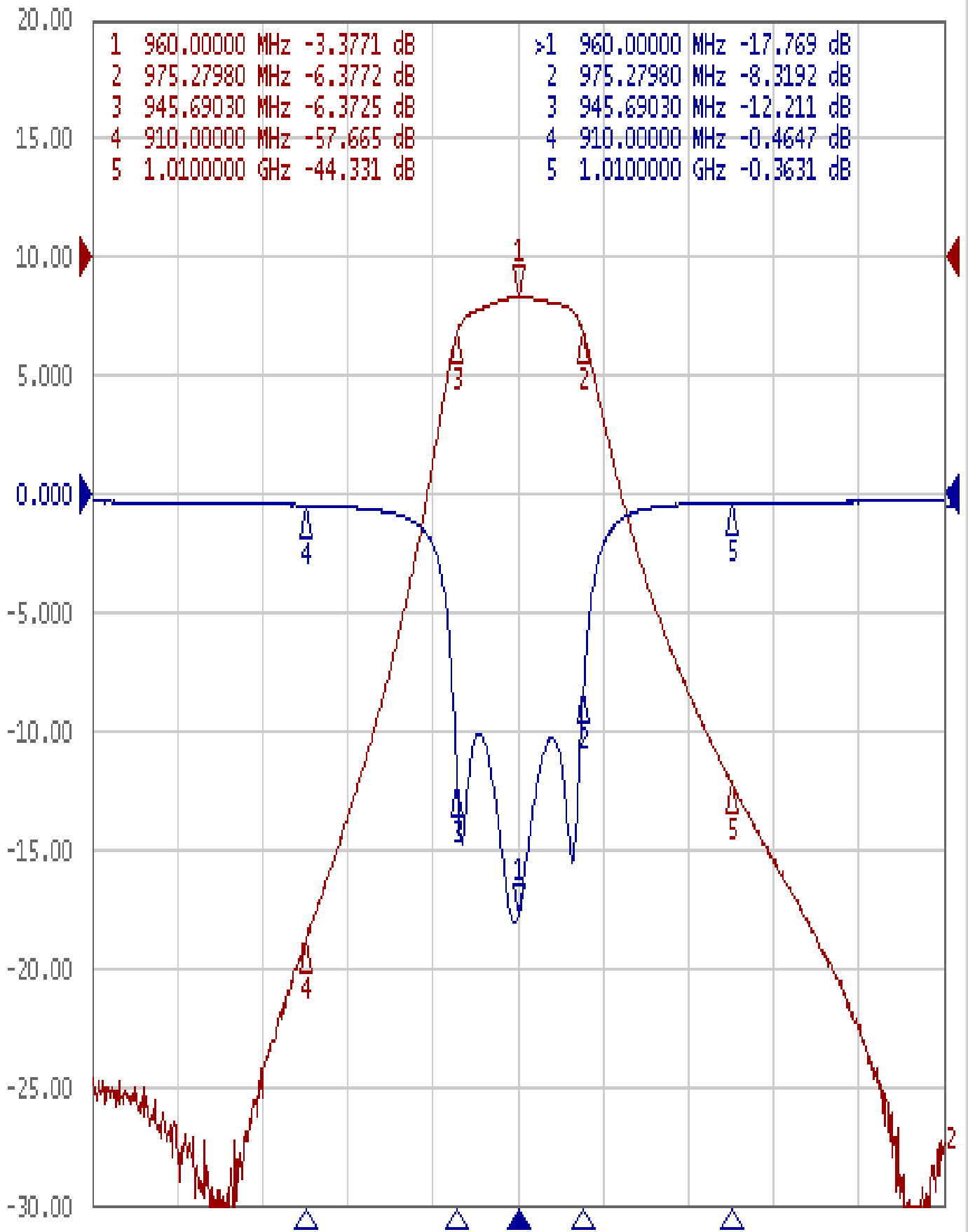
|           |            |           |                                      |
|-----------|------------|-----------|--------------------------------------|
| Approval  | Supervisor | Designer  | Aperture size                        |
| C.Y.Chang | C.K.Chang  | C.S.Chang | 7H4S(4*5.35)(5.38)<br>7H046LB4.3 聚 3 |

TEMWELL CORPORATION

# Performance-TF69220A-960M

201708089CD

Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]  
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F2]



1 Center 960 MHz

IFBW 10 kHz

Span 200 MHz

Cor !