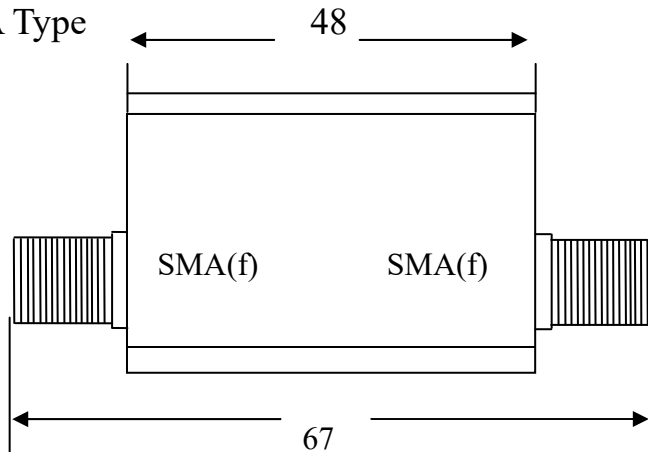


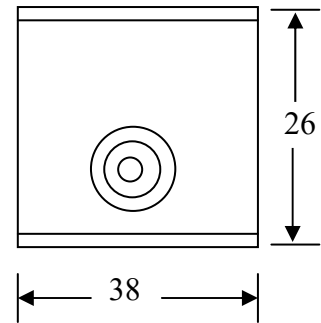
# TM Module Filter Specification Sheet

|                      |               |                      |                       |
|----------------------|---------------|----------------------|-----------------------|
| Customer Name        |               | Temwell's Part No.   | TM-TT6762B-223.5M-SMA |
| Approval No. /dated  | 202012012CD   | Customer's Part No.  |                       |
| Work Instruction No. | 202012012CD   | Date                 | Dec.08.2020           |
| Case Name            | TM            | Temwell's print name | 6762B<br>223.5M       |
| Terminator Type      | SMA(f)/SMA(f) | Case size : ( mm)    | 48*38*26              |

SMA Type



Unit:mm



## (3) Electric Character

| Item                          |                | Specify         | Performance     |
|-------------------------------|----------------|-----------------|-----------------|
| Center Freq.(Fo ) +/- 0.5 %   |                | 223.5 MHz       | 223.5 MHz       |
| Insertion Loss                |                | Typ. 3.0 dB     | 2.58 dB         |
| -3 dB Bandwidth               |                | Typ. 9 MHz      | 9.6 MHz         |
| Sensitivity<br>(Attenuation ) | Fo -( 20 ) MHz | Typ. 37 dB      | 42 dB           |
|                               | Fo +( 20 )MHz  | Typ. 35 dB      | 40 dB           |
|                               | Fo -( )MHz     | >               | dB              |
|                               | Fo +( )MHz     | Typ. dB         | dB              |
| Return Loss                   |                | Min. 12 dB      | 33.3 dB         |
| Ripple                        |                | < 1 dB          | dB              |
| Group Delay                   |                | ns              | ns              |
| Impedance                     |                | In / Out : 50 Ω | In / Out : 50 Ω |

## 4. Temperature Condition:

|                       |                 |
|-----------------------|-----------------|
| Operating Temperature | 0 °C ~ +60 °C   |
| Storage Temperature   | -20 °C ~ +70 °C |

|            |            |          |                              |
|------------|------------|----------|------------------------------|
| Approval   | Supervisor | Designer | PCB                          |
| C.C. Chang | C.K. Chang | S.J. Li  | 7H3B PCB(41x12)<br>7H024LB4X |

**TEMWELL CORPORATION**

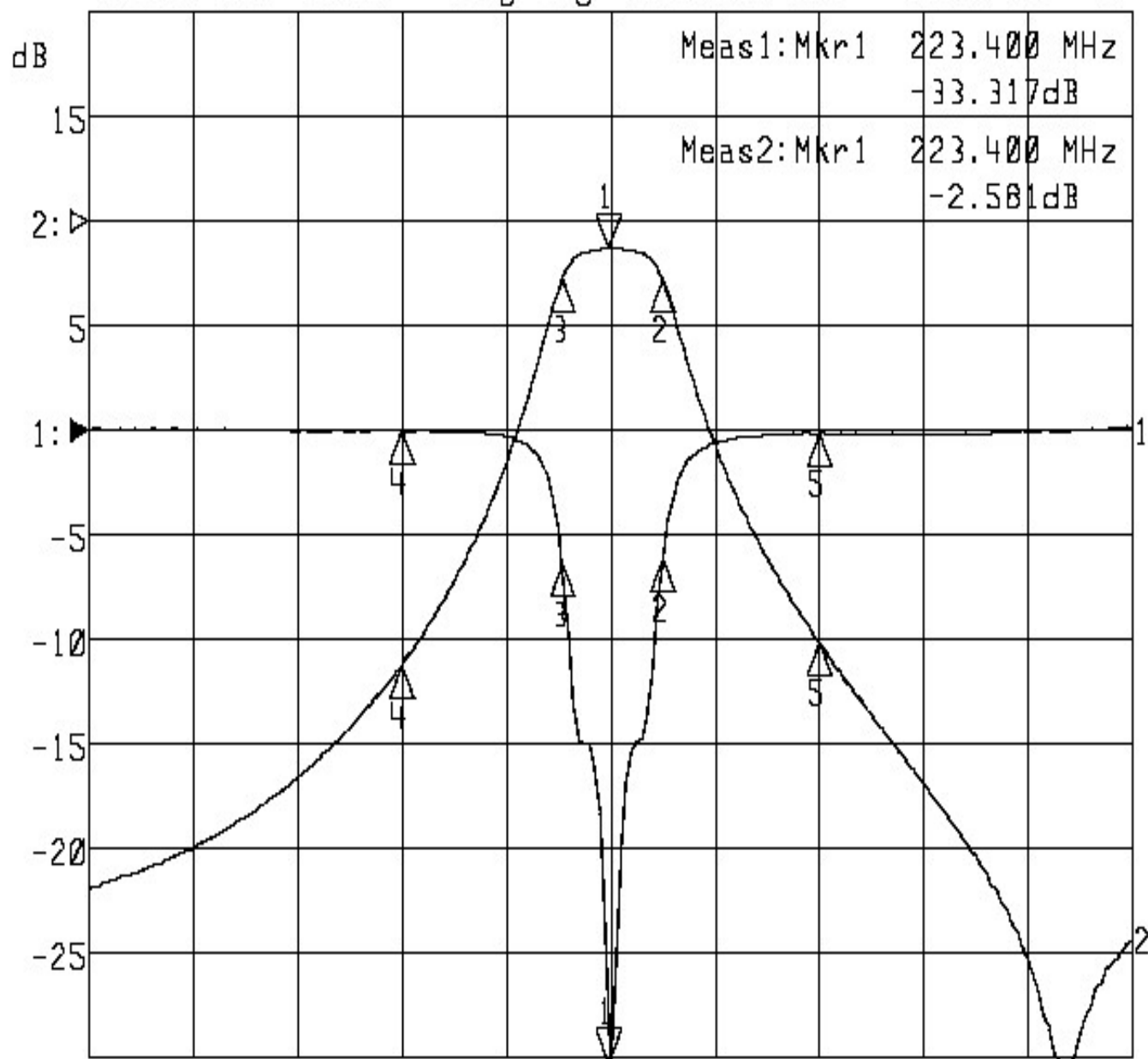
TEMWELL Form11- TM- -Vession C

RP(S.J.)

# Performance-TM-TT6762B-223.5M-SMA

## 202012012CD

►1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C  
 ►2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 223.500 MHz

Span 100.000 MHz

| 1:Mkr (MHz) | dB      | 2:Mkr (MHz) | dB      |
|-------------|---------|-------------|---------|
| 1> 223.4000 | -33.317 | 1> 223.4000 | -2.581  |
| 2: 228.4667 | -6.156  | 2: 228.4667 | -5.515  |
| 3: 218.8667 | -6.337  | 3: 218.8667 | -5.553  |
| 4: 203.5000 | -0.042  | 4: 203.5000 | -42.413 |
| 5: 243.5000 | -0.159  | 5: 243.5000 | -40.306 |