



Apex Microwave Co. LTD

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Add: Yuehu Technology Center, Wuhou District, Chengdu, Sichuan, China

# Cavity Combiner A6CC758M2690M35NS

## Revision record

| Date       | Version | Author | Revision description | Comment |
|------------|---------|--------|----------------------|---------|
| 2024/09/09 | V1.1    | Lee    | Created              | /       |
|            |         |        |                      |         |
|            |         |        |                      |         |

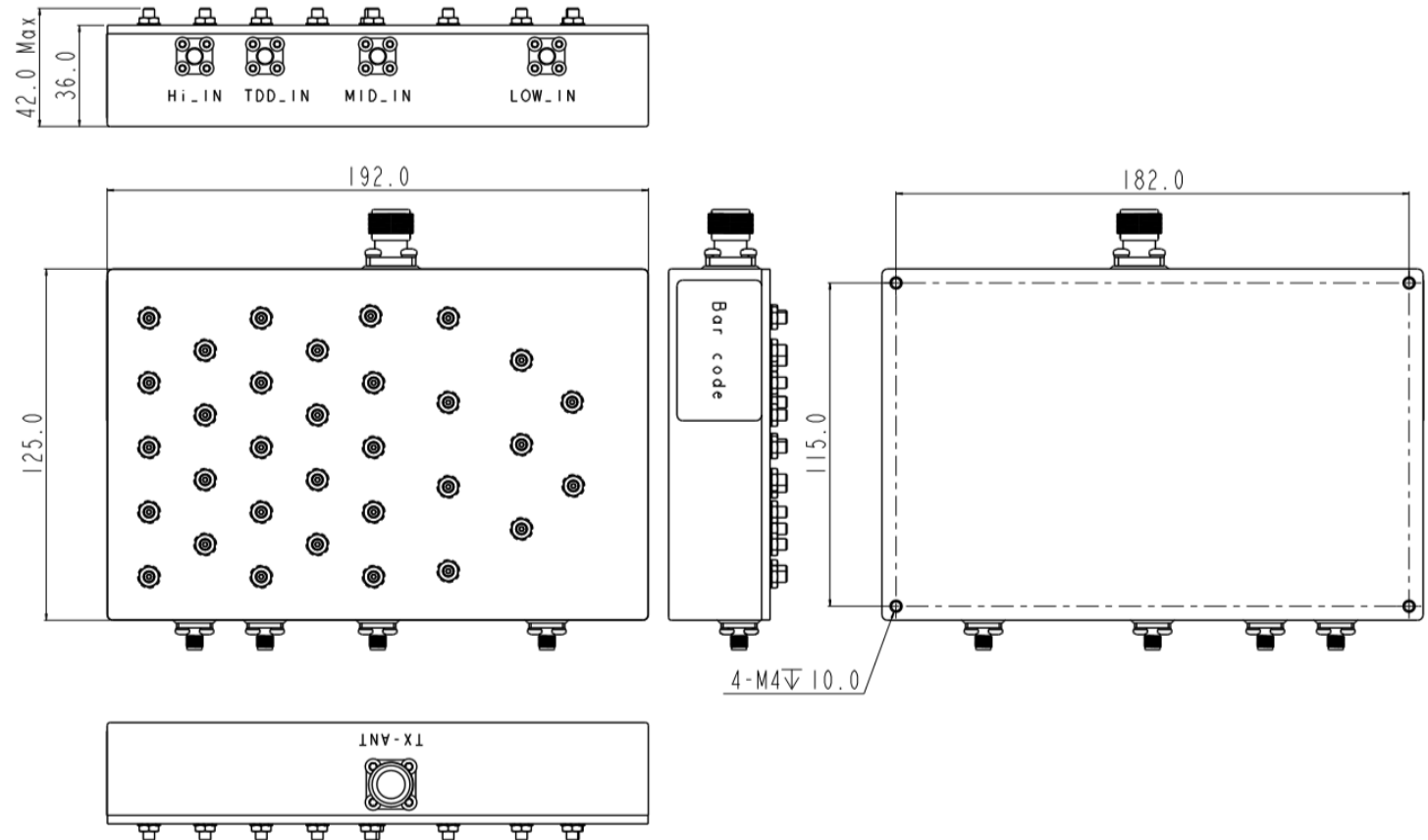
## Electrical specification

| Parameter                        | LOW_IN                        | MID_IN   | TDD_IN                                  | Hi_IN              |
|----------------------------------|-------------------------------|--|---|--------------------|
| Frequency range                  | 758-803MHz<br>869-894MHz      | 1930-1990MHz<br>2110-2170MHz                               | 2570-2615MHz                            | 2625-2690MHz       |
| Return loss                      | ≥15dB                         | ≥15dB  | ≥15dB                                   | ≥15dB              |
| Insertion loss                   | ≤2.0dB                        | ≤2.0dB   | ≤2.0dB                                  | ≤2.0dB             |
| Rejection                        | ≥35dB@1930-1990MHz            | ≥35dB@758-803MHz<br>≥35dB@869-894MHz<br>≥35dB@2570-2615MHz | ≥35dB@1930-1990MHz<br>≥35dB@2625-2690MH | ≥35dB@2570-2615MHz |
| Power handling per band          | Average: ≤42dBm, peak: ≤52dBm |  |   |                    |
| Power handling for common Tx-Ant | Average: ≤52dBm, peak: ≤60dBm |  |   |                    |
| Impedance                        | 50 Ω                          |  |   |                    |

**Mechanical specification**

| Parameter  | Specifications                            |
|------------|---|
| Dimension  | LxWxH: 192mm x 125mm x 36mm (42mm Max)    |
| Connectors | Hi_IN/ TDD_IN/ MID_IN/ LOW_IN: SMA-Female |
| Finish     | ANT: N-Female                             |
| Finish     | Silver                                    |
| Notes      | Material shall be RoHS 6/6                |

**Outline**





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### Simulation curve

