

## **Indoor 16 WAY TAP 16WITB21dB**



# **PREVAIL**



## 1. Descriptions

16WITB21dB series 16 way tap with maximum operating frequency up to 1.2GHz and aluminium alloy integrated housing. F connector is nickel plated. It has excellent EMC indicators.

## 2. Features

- Full SMT production process.
- Low insertion loss, high isolation.
- Cast aluminum housing.

## 3. Specifications

| ITEM                         | FREQUENCY RANGE | SPECIFICAION     |
|------------------------------|-----------------|------------------|
| Insertion loss<br>(IN - OUT) | 5 ~ 40 MHz      | $4.0 \pm 1.0$ dB |
|                              | 40 ~ 470 MHz    | $4.0 \pm 1.0$ dB |
|                              | 470 ~ 862 MHz   | $4.0 \pm 1.0$ dB |
|                              | 862 ~ 1000 MHz  | $4.0 \pm 1.0$ dB |
|                              | 1000 ~ 1218 MHz | $4.5 \pm 1.0$ dB |
| Insertion loss<br>(IN - TAP) | 5 ~ 1000 MHz    | $\leq 21$ dB     |
|                              | 1000 ~ 1218 MHz | $\leq 22$ dB     |
| Isolation<br>(OUT - TAP)     | 15 ~ 40 MHz     | $> 30$ dB        |
|                              | 40 ~ 470 MHz    | $> 30$ dB        |
|                              | 470 ~ 862 MHz   | $> 30$ dB        |
|                              | 862 ~ 1000 MHz  | $> 25$ dB        |
|                              | 1000 ~ 1218 MHz | $> 25$ dB        |

| ITEM                        | FREQUENCY RANGE | SPECIFICAION |
|-----------------------------|-----------------|--------------|
| Isolation<br>(TAP - TAP)    | 15 ~ 40 MHz     | > 38 dB      |
|                             | 40 ~ 470 MHz    | > 34 dB      |
|                             | 470 ~ 862 MHz   | > 26 dB      |
|                             | 862 ~ 1000 MHz  | > 26 dB      |
|                             | 1000 ~ 1218 MHz | > 25 dB      |
| Return loss<br>(IN/OUT/TAP) | 15 ~ 40 MHz     | 16 dB        |
|                             | 40 ~ 470 MHz    | 16 dB        |
|                             | 470 ~ 862 MHz   | 16 dB        |
|                             | 862 ~ 1000 MHz  | 16 dB        |
|                             | 1000 ~ 1218 MHz | 16 dB        |
| EMC<br>(Class A+10dB)       | 5 ~ 300 MHz     | 85 dB        |
|                             | 300 ~ 470 MHz   | 80 dB        |
|                             | 470 ~ 950 MHz   | 75 dB        |
|                             | 950 ~ 1218 MHz  | 55 dB        |