

## 3/4/5G Multi-band POI

**Model: TSMCB-21I40-DF**

The multi-band POI is high performance 21-input RF combiner that can simultaneously transmit signals of multi-system to a single set of indoor signal distribution system. The hybrid combiner features low insertion loss, high isolation and excellent temperature stability.

### Features

- ◆ Combines 21 input ports into 4 output ports
- ◆ Low insertion loss & low PIM
- ◆ High isolation between separate band inputs



### Technical Specifications

Type	21Ports In- 4Port Out
<b>Operating Frequency</b>	<b>3 Ports LTE700</b> 703-748MHz/758-803MHz
	<b>3 Ports LTE900</b> 885-915MHz/930-960MHz
	<b>3 Ports LTE1800</b> 1710-1785MHz/1805-1880MHz
	<b>4 Ports WCDMA/LTE2100</b> 1920-1980MHz/2110-2170MHz
	<b>1 Port LTE2600 FDD</b> 2500-2520MHz/2620-2640MHz
	<b>1 Port LTE2600 FDD</b> 2520-2540MHz/2640-26640MHz; 2560-2570MHz/2680-2690MHz
	<b>1 Port LTE2600 FDD</b> 2540-2560MHz/2660-2680MHz
	<b>1 Port LTE2600 TDD</b> 2575-2615MHz
	<b>4 Port 5G(TDD)</b> 3300-3570MHz
<b>Insertion Loss</b>	≤ 10.5dB For LTE2600; ≤ 8.5dB For LTE700&LTE900&LTE1800&LTE2100&5G
<b>Isolation</b>	Same band ≥23 dB, Different bands≥80dB,FDD/TDD≥110dB
<b>Return Loss</b>	≥ 18dB
<b>PIM3</b>	≤-150 dBc(@ 2 x 20 W)
<b>Power Handling</b>	100W
<b>Connector Type</b>	DIN female
<b>Application</b>	Indoor
<b>Impedance</b>	50 Ω
<b>Operating Temperature</b>	-25°C to +65°C

**Relative Humidity** 5% - 95%

<b>Number of BTS Ports</b>	21
<b>Number of Antenna Ports</b>	4

**Monitor Port** 1 with -40~-30dBc Coupling Level

**Dimensions** TBD

<b>Weight</b>	≤45Kg
<b>Mounting</b>	19'Standard Cabinet Mount

