

17 In to 4 Out Multi-band POI

TSMCB-17I40-DF

The multi-band POI is high performance 17-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 17 input ports into 4 output ports
- ◆ Low insertion loss & low PIM
- ◆ High isolation between separate band inputs



Technical Specifications

Model	TSMCB-17I40-DF	
Operating Frequency	3 Ports LTE700	703~748 MHz/758~803 MHz
	3 Ports LTE900	885~915 MHz/930~960MHz
	3 Ports LTE1800	1710~1785 MHz/1805~1880 MHz
	4 Ports WCDMA2100	1920~1980 MHz/2110~2170 MHz
	1 Ports LTE2600 FDD	2500~2520 MHz/2620~2640MHz
	1 Ports LTE2600 FDD	2520~2540 MHz/2640~2660MHz; 2560~2570MHz/2680~2690MHz
	1 Ports LTE2600 FDD	2540~2560MHz/2660~2680 MHz
	1 Ports LTE2600 TDD	2575~2615 MHz
Return Loss (dB)	≥ 18 dB	
Insertion Loss (dB)	≤ 10.5 dB For LTE2600; ≤ 8.5 dB For LTE703MHz~WCDMA2170	
Isolation	Same band ≥ 25 dB; Different bands ≥ 80 dB; FDD/TDD ≥ 110 dB	
Inter-modulation (3rd order)	≤ -150 dBc @ 2 x 20 W	
Impedance	50 Ω	
Power Handling (W)	≥ 150 W	
Applications	Indoor	
Operating Temperature ($^{\circ}$ C)	-10 $^{\circ}$ C to +60 $^{\circ}$ C	
Relative humidity	5% - 95%	



Connector Type	DIN Female
Number of BTS Ports	17
Number of Antenna Ports	4
Monitor Port	1 with -40~-30dBc Coupling Level
Mounting	19' Standard Cabinet Mount