

IB2501 HEMERA

Low intermodal 100 W Nm load

BENEFITS

- Very simple coupling adjustment
- Coupling value display

APPLICATIONS

The HEMERA connection kit is designed to pick up a signal transmitted by a BTS and reinject it into the optical passive rack. It is integrated between a BTS and a low-load passive intermodulation (PIM) product.

The multi-band low-loss coupler can be used in an indoor environment in frequency bands of 380-960 / 1695-2700 / 3400-3800 / 4920-5920 MHz. Its variable coupling balances each operator's power. The power ratio is continuously configurable, thereby offering a wide variety of applications for indoor systems and small cells. This latter function guarantees flexibility and optimal results.

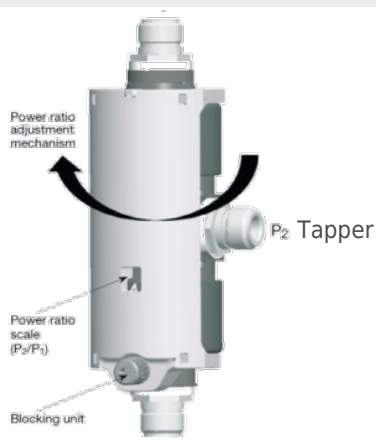
It is combined with a low-load PIM and a 10 dB attenuator enabling global coupling, adjustable from -15dBm to -30dBm.

The very low-load PIM will be used in typical applications where it is necessary to eliminate an unused port. Intended for indoor use only, it is available in frequencies of between 400 and 2700 MHz.

GENERAL CHARACTERISTICS

Technical specifications of the Tapper

	Specifications			
Frequency range (MHz)	380-960	1695-2700	3400-3800	4920-5920
Power ratio between outputs 1 & 2	-5 to -20 dB continuously adjustable			
Insertion loss	< 0.2 dB		< 0.5 dB	< 0.7 dB
Impedance	50 Ω			
VSWR	< 1.5		< 1.7	
Intermodulation IM 3	< -150 dBc (2x43 dBm carrier)			NR
Max. power	100 W (at 50° ambient temperature)			
Connectors	N-Female			
Weight	0.5 kg			
Protection class	IP20			
Dimensions (including connectors)	160 mm x 70 mm x 55 mm			
DC capacity	Transmission only between input and port 1			

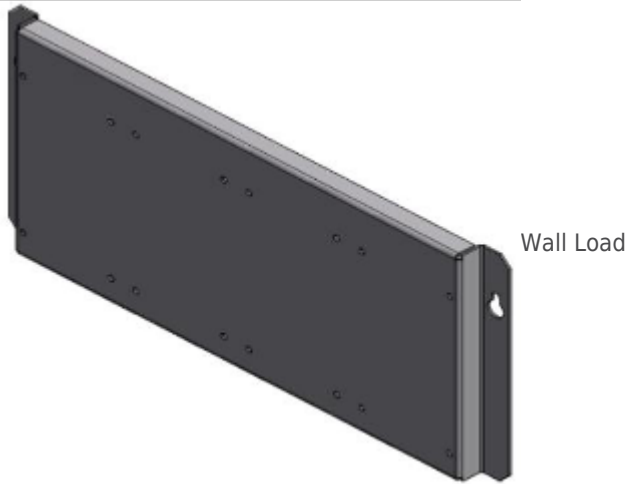


Load technical specifications	
Frequencies	400 - 2700 MHz
Nominal power	100 W avg, 5 kW peak
PIM	-165 dBc typ; <-160 dBc, tested with 2 1900 MHz 20W tones at 25° C
Impedance	50 Ω
Weight	2.5 kg
Environmental temperature	-35 to +55°
Connectors	N-Male



Wall load rack specifications

Dimensions	506 mm x 220 mm x 25 mm
Number of loads	1 to 4



RANGE

References	
Product	Article code
BTS coupler kit / 5 to 20 dB variable rack + 10 dB fixed attenuator	IB2500
Low intermodal 100 W Nm load	IB2501
Support for four loads	IB2502