

## IB2502 HEMERA

Support for four loads

### 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.

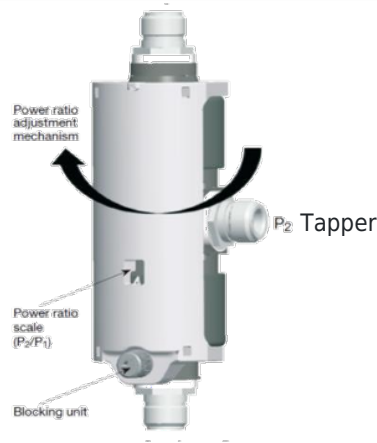
It is combined with a low-load PIM and a 10 dB attenuator enabling global coupling, adjustable from -15dBm to -30dBm.

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

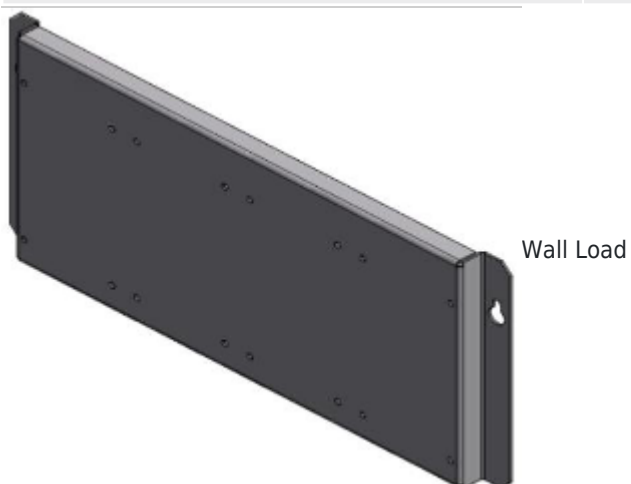
|                                   | Specifications                             |           |           |           |
|-----------------------------------|--------------------------------------------|-----------|-----------|-----------|
| Frequency range (MHz)             | 380-960                                    | 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 $\Omega$                                |           |           |           |
| 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 $\Omega$                                                        |
| 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       |