

# MULTIBAND COMBINER

For the Cellular Telecommunications market, the Multi band Combiner is used when multiple channels in different bands need to be combined to a single(or multiple) port(s) in order to use the same infrastructure at a mobile communications site, where dual- or multi-band antennas are installed. Majority of such applications are for in-building network distribution.

The HPOI series products are the custom designed solutions which configured upon customers application environment.

- Covers CDMA2000, DCS1800 and UMTS (POI for 2G+3G)
- Max. 6 inputs in 1 unit
- N Female or DIN Female connectors
- Minimal RF Insertion Loss
- High Port to Port Isolation
- 100W Per Port Input Power
- 1 Monitor Port(s) for Output Ports (Duplexed models)
- Monitor port(s) available for fiber port purpose
- 19" standard rack mount cabinet available
- Temperature Monitor
- Station Ground
- Cooling Fan (Option)
- Panel Direction – Top or Front



# •P/N:HPOI-800/1800/2200-6I-4O-1M

## Electrical Specification

Frequency Range :	
CDMA 2000	825-845/870-890MHz
DCS 1800	1710-1785/1805-1880MHz
WCDMA	1920-1980/2110-2170MHz
Insertion Loss	8 dB
Isolation	
<u>In band</u> :	20 dB
<u>Out band</u> :	50 dB
Max. Input Power	100W / port total
Return Loss	> 17 dB
Input Ports	6 (Duplexed): 1 port CDMA2000 2 port DCS 1800 3 port WCDMA
Output Ports	4 (Duplexed)
Monitor Ports	1 (-30dBc with Load /port)
Intermodulation (IM3)	<-130dBc (@ 2 carriers at +43dBm)
Impedance	50
Temperature Range	-30 °C to +70 °C
Humidity	Relative 5-100%
Dimension (L*W*D)	610mm X 435mm X 364 mm
RF Connectors	N-(F)Or Din-(F)

