

# GSM900 and GSM1800 BTS COMBINERS

## 80W Outdoor

PS Series

### Product Features

- Single band models
- Low insertion loss
- Low ripple (<0.2dB)
- High BTS to BTS isolation
- Intended to combine two BTS into the same antenna.
- Reduce antennas and feeders costs
- For tower mounting
- Low IMD
- Outdoor design, IP68



PS Series



Specification	PS2-E8080-O	PS2-F8080-O
Type	EGSM BTS Combiner	GSM1800 BTS Combiner
Operation frequency	EGSM 900MHz (880-960MHz)	DCS (1710-1880MHz)
Number of BTS inputs	2	2
Number of antenna ports	1	1
Insertion loss	3.2dB typ, 3.5dB max	3.2dB typ, 3.5dB max
Return loss	20dB min all ports	20dB min all ports
BTS to BTS isolation, Tx band	35dB min, 40dB typ	35dB min, 40dB typ
BTS to BTS isolation, Rx band	25dB min, 30dB typ	25dB min, 30dB typ
Input power, per BTS port	80W (avg)	80W (avg)
Connectors	DIN 7/16(h) all ports	DIN 7/16(h) all ports
IMD	< -120dBm (2 x +43dBm)	< -120dBm (2 x +43dBm)
Applications	Outdoor, IP68	Outdoor, IP68
Heat dissipation	Natural convection	Natural convection
Dimension	2 x 3.9 x 3.9 inches • 50 x 100 x 100 mm (without connectors)	2 x 3.9 x 3.9 inches • 50 x 100 x 100 mm (without connectors)
Mounting	Brackets for pole mounting, 2 to 4" OD	Brackets for pole mounting, 2 to 4" OD
Weight	4.8 lbs • 2.2 kg	4.8 lbs • 2.2 kg