

Power splitters are in-line devices for splitting power whilst maintaining 50 ohm impedance in the system.

Main Features

- Power is equally divided
- Bi-directional – can be used as splitter or combiner
- Typically used to drive 2 antennas from 1 radio
- Can be used to drive 2 radios through 1 antenna if T/R switching of radios is synchronised
- Passive device
- Maintenance free



Electrical Specifications

Frequency	2300-2500MHz
Impedance	50 Ohms
Insertion loss	0.4 typical
VSWR	1:1.15
Isolation	25dB
Phase imbalance	5° maximum
Amplitude imbalance	0.5dB
Matched power rating	10W

Installation

- Attach the casing securely to mast structure.
- Attach input cable to single plug (at bottom in picture above).
- Attach output cables to two plugs (at top in picture above).

Mechanical Specifications

Input connector	N-Female
Output connector	N-Female
Earth strap length	300mm
Operating temperature	-20°C to 70°C
Overall dimensions	90mm x 50mm x 27mm
Mounting centres	38.1mm