

# PS- SERIES RECEIVER POWER SPLITTERS

Telewave Receiver Power Splitters provide 2 to 8 balanced 50 ohm receiver outputs from one input. The antenna port is tuned with a matching network to insure a balanced input.

Since the input signal is split evenly between all ports, the available signal at each output port will be 3 to 9 dB down from the input. For this reason,

preamplification is usually required before a receiver.

These rugged, compact splitters are commonly used in RX multicouplers, and are not intended to be used with transmitters. Telewave makes a full line of transmitter power dividers with 500 watt power capability for this purpose.

MODEL	PORTS	FREQUENCY	BANDWIDTH	STD. TUNE
PS-302	2	33-50 MHz	8 MHz	38-46 MHz
PS-702	2	72-88 MHz	16 MHz	72-88 MHz
PS-1502	2	132-174 MHz	26 MHz	148-174 MHz
PS-1504	4	132-174 MHz	26 MHz	148-174 MHz
PS-3302	2	320-390 MHz	30 MHz	350-380 MHz
PS-4502	2	400-512 MHz	20 MHz	450-470 MHz
PS-4504	4	400-512 MHz	20 MHz	450-470 MHz
PS-4508	8	400-512 MHz	20 MHz	450-470 MHz
PS-5002	2	10-1000 MHz	1000 MHz	N/A
PS-5004	4	10-1000 MHz	1000 MHz	N/A
PS-5008	8	30-512 MHz	500 MHz	N/A
PS-7602	2	764-824 MHz	40 MHz	764-804 MHz
PS-7604	4	764-824 MHz	40 MHz	764-804 MHz
PS-7608	8	764-824 MHz	40 MHz	764-804 MHz
PS-8602	2	806-960 MHz	40 MHz	806-824 MHz
PS-8604	4	806-960 MHz	40 MHz	806-824 MHz
PS-8608	8	806-960 MHz	40 MHz	806-824 MHz

### COMMON DATA

Impedance / VSWR (typ.)		50 ohms / 1.3:1
Isolation (min / typ.)		20 dB / 25 dB
Connectors std. (opt)		N Female (BNC, UHF opt.)
Dimensions (HWD)	2-way in. (cm)	1.25 x 2.25 x 1.5 (3.2 x 5.7 x 3.8)
	4-way in. (cm)	1.75 x 4.25 x 2.5 (4.5 x 10.8 x 6.4)
Coupling loss	2 / 4 / 8-way	3 / 6 / 9 dB
Insertion loss (typ.)	2 / 4 / 8-way	0.2 / 0.4 / 0.6 dB
Weight lb. (kg)	2 / 4 / 8-way	1 (0.45) / 2 (0.9) / 3 (1.4)

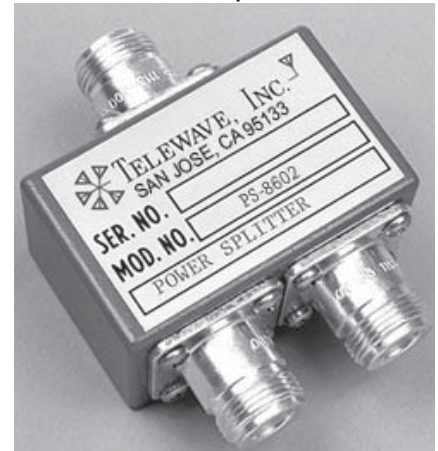
**Note:** Splitters are normally factory tuned as indicated. Other ranges must be specified with order.



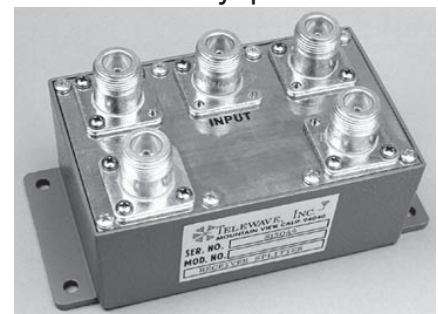
Wideband Power Splitter - PS-5002



Wideband Power Splitter - PS-5004



Two-Way Splitter



Four-Way Splitter