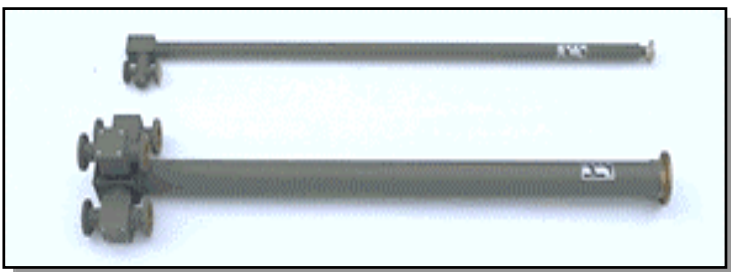




Ripartitori con uscite a 90° (sopra) e con uscite parallele (sotto e a destra)

Power splitters with 90° output (above) and with parallel output (below and right)



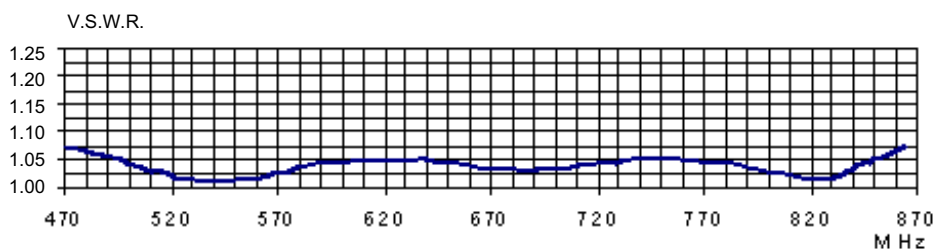
## RIPARTITORI DI POTENZA A LARGA BANDA

### BROADBAND POWER SPLITTERS

I ripartitori di potenza sono il principale accessorio per la realizzazione di sistemi radianti composti da più antenne. Essi vengono costruiti in numerosi modelli con tutte le combinazioni di BANDE DI FREQUENZA, NUMERO DI USCITE e TIPI di CONNETTORI.

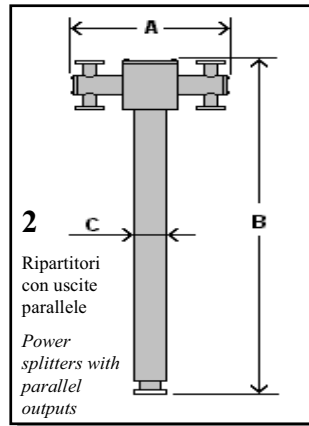
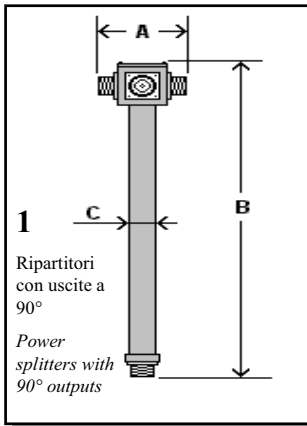
*Power splitter is the main accessory used to built radiating antenna systems arrays. They are manufactured in several models with all the combinations between FREQUENCY BANDS, NUMBER OF OUTPUT and INPUT, OUTPUT CONNECTOR TYPES.*

| CARATTERISTICHE GENERALI  | GENERAL FEATURES   |
|---|--|
| <b>Bande di frequenza:</b> RADIO FM - TV VHF - TV UHF   | <b>Frequency bands:</b> RADIO FM - TV VHF - TV UHF   |
| <b>Numero di uscite:</b> 2 - 3 - 4 - 5 - 6 - 8  | <b>Number of output:</b> 2 - 3 - 4 - 5 - 6 - 8   |
| <b>Connettori d'entrata:</b> N - 7/16 - 7/8" - 1+5/8" - 3+1/8" - 4+1/8" - 6+1/8"                                | <b>Input connectors:</b> N - 7/16 - 7/8" - 1+5/8" - 3+1/8" - 4+1/8" - 6+1/8"                         |
| <b>Connettori d'uscita:</b> N - 7/16 - 7/8" - 1+5/8" - 3+1/8" - 4+1/2"  | <b>Output connectors:</b> N - 7/16 - 7/8" - 1+5/8" - 3+1/8" - 4+1/2"                                 |
| <b>Rapporto Onde Stazionarie:</b> ≤ 1.08:1  | <b>V.S.W.R.:</b> ≤ 1.08:1  |
| <b>Impedenza:</b> 50 ohm  | <b>Impedance:</b> 50 ohm   |
| <b>Perdita d'inserzione:</b> 0.1 dB   | <b>Insertion loss:</b> 0.1 dB  |
| <b>Protezione da umidità:</b> ripartitori con flange EIA pressurizzabili  | <b>Moisture protection:</b> power splitters with EIA flanges are pressurizable                       |
| <b>Montaggio:</b> coppia di staffe di fissaggio (opzionali) per pali da φ 30 a φ 114 mm                         | <b>Mounting:</b> couple of mounting brackets (optionals) for poles φ 30 to φ 114 mm                  |
| <b>Materiali:</b> Ottone e rame saldato - Bulloneria in acciaio inox - Isolatori in teflon - O-Ring al silicone | <b>Materials:</b> Welded brass and copper - Bolts in st. steel - Teflon insulators - Silicon O-Rings |
| <b>Trattamenti:</b> Corpo trattato e verniciato, linea interna argentata  | <b>Treatments:</b> Treated and painted body - Silver-plated machining line                           |



Curva di adattamento tipica di un ripartitore di potenza in banda UHF  
Typical V.S.W.R. curve of a broadband UHF power splitter

## DETTAGLI MECCANICI - MECHANICAL DETAILS - DETTAGLI MECCANICI - MECHANICAL DETAILS



| Bande di frequenza (MHz)<br>Frequency bands | Connettore ingresso<br>Input connector | Connettori uscita<br>Output connectors | Numero di uscite disponibili<br>Number of available output | Potenza media (KW)<br>Max mean power | Fig. | A mm | B mm | C mm |    |
|---|--|--|--|--------------------------------------|------|------|------|------|----|
| 87.5 - 108 (FM)                             | N                                      | N                                      | 2-3-4  | 0.8                                  | 1    | 70   | 1623 | 30   |    |
|   | N                                      | N                                      | 6  | 0.8                                  | 1    | 80   | 1623 | 40   |    |
|   | 7/16                                   | N                                      | 2  | 1.6                                  | 1    | 70   | 1635 | 30   |    |
|   | 7/16                                   | N                                      | 3  | 2.4                                  | 1    | 70   | 1635 | 30   |    |
|   | 7/16                                   | N                                      | 4  | 3                                    | 1    | 70   | 1635 | 30   |    |
|   | 7/16                                   | N                                      | 6  | 3                                    | 1    | 80   | 1635 | 40   |    |
|   | 7/16                                   | 7/16                                   | 2-3-4  | 3                                    | 1    | 84   | 1635 | 30   |    |
|   | 7/16                                   | 7/16                                   | 6  | 3                                    | 1    | 114  | 1635 | 40   |    |
|   | 7/8"                                   | 7/16                                   | 2-3-4  | 3                                    | 1    | 114  | 1650 | 40   |    |
|   | 7/8"                                   | 7/16                                   | 6  | 3                                    | 1    | 124  | 1650 | 40   |    |
|   | 7/8"                                   | N                                      | 2-3-4  | 3                                    | 1    | 114  | 1650 | 40   |    |
|   | 7/8"                                   | N                                      | 6  | 3                                    | 1    | 124  | 1650 | 40   |    |
|   | 7/8"                                   | 7/8"                                   | 2  | 5                                    | 2    | 193  | 1650 | 42   |    |
|   | 7/8"                                   | 7/8"                                   | 3-4-6  | 5                                    | 2    | 193  | 1650 | 42   |    |
|   | 1+5/8"                                 | 7/8"                                   | 2  | 10                                   | 2    | 193  | 1650 | 42   |    |
|   | 1+5/8"                                 | 7/8"                                   | 3-4-5-6-8  | 12                                   | 2    | 280  | 1650 | 42   |    |
|   | 3+1/8"                                 | 7/8"                                   | 4  | 20                                   | 2    | 280  | 1665 | 80   |    |
|   | 3+1/8"                                 | 7/8"                                   | 6  | 30                                   | 2    | 280  | 1665 | 80   |    |
|   | 3+1/8"                                 | 7/8"                                   | 8  | 40                                   | 2    | 290  | 1665 | 80   |    |
|   | 3+1/8"                                 | 1+5/8"                                 | 2  | 20                                   | 2    | 290  | 1665 | 80   |    |
|   | 3+1/8"                                 | 1+5/8"                                 | 3  | 30                                   | 2    | 290  | 1665 | 80   |    |
|   | 3+1/8"                                 | 1+5/8"                                 | 4-6-8  | 40                                   | 2    | 290  | 1665 | 80   |    |
|   | 4+1/2"                                 | 1+5/8"                                 | 4  | 50                                   | 2    | 325  | 1710 | 108  |    |
|   | 6+1/8"                                 | 3+1/8"                                 | 2  | 80                                   | 2    | 630  | 1735 | 160  |    |
| 6+1/8"                                      | 4+1/8"                                 | 2                                      | 2  | 100                                  | 2    | 630  | 1735 | 160  |    |
| 174 - 230 (TV-BIII)                         | N                                      | N                                      | 2-3-4  | 0.6                                  | 1    | 70   | 800  | 30   |    |
|   | 7/16                                   | N                                      | 2  | 1.2                                  | 1    | 70   | 810  | 30   |    |
|   | 7/16                                   | N                                      | 3  | 1.8                                  | 1    | 70   | 810  | 30   |    |
|   | 7/16                                   | N                                      | 4  | 2                                    | 1    | 70   | 810  | 30   |    |
|   | 7/16                                   | 7/16                                   | 2-3-4  | 2                                    | 1    | 84   | 810  | 40   |    |
|   | 7/8"                                   | 7/16                                   | 2-3-4  | 3                                    | 1    | 84   | 820  | 40   |    |
|   | 7/8"                                   | 7/16                                   | 6  | 3                                    | 1    | 114  | 820  | 40   |    |
|   | 7/8"                                   | 7/8"                                   | 2  | 3.5                                  | 2    | 124  | 820  | 42   |    |
|   | 7/8"                                   | 7/8"                                   | 3  | 3.5                                  | 2    | 193  | 820  | 42   |    |
|   | 7/8"                                   | 7/8"                                   | 4  | 3.5                                  | 2    | 193  | 820  | 42   |    |
|   | 1+5/8"                                 | 7/8"                                   | 2  | 7                                    | 2    | 124  | 820  | 42   |    |
|   | 1+5/8"                                 | 7/8"                                   | 3  | 7                                    | 2    | 124  | 820  | 42   |    |
|   | 1+5/8"                                 | 7/8"                                   | 4  | 10                                   | 2    | 186  | 820  | 80   |    |
|   | 1+5/8"                                 | 7/8"                                   | 8  | 3                                    | 2    | 186  | 1120 | 80   |    |
|   | 3+1/8"                                 | 7/8"                                   | 4  | 13                                   | 2    | 290  | 490  | 80   |    |
|   | 3+1/8"                                 | 1+5/8"                                 | 2  | 15                                   | 2    | 290  | 820  | 80   |    |
|   | 470 - 860 (TV-UHF)                     | N                                      | N  | 2-3-4                                | 0.4  | 1    | 70   | 400  | 30 |
|   |  | 7/16                                   | 7/16   | 2-3-4                                | 1    | 1    | 84   | 412  | 30 |
| 7/8"  |  | 7/16                                   | 2-3-4  | 1.5                                  | 1    | 84   | 435  | 30   |    |
| 7/8"  |  | 7/8"                                   | 2-3-4  | 2                                    | 2    | 190  | 490  | 42   |    |
| 1+5/8"                                      |  | 7/8"                                   | 2-3-4  | 5                                    | 2    | 124  | 510  | 42   |    |
| 1+5/8"                                      |  | 7/8"                                   | 5-6  | 4                                    | 2    | 186  | 580  | 42   |    |
| 1+5/8"                                      |  | 7/8"                                   | 8  | 2.5                                  | 2    | 124  | 510  | 42   |    |
| 3+1/8"                                      |  | 7/8"                                   | 4  | 8                                    | 2    | 124  | 510  | 80   |    |
| 3+1/8"                                      |  | 7/8"                                   | 6  | 10                                   | 2    | 124  | 510  | 80   |    |
| 3+1/8"                                      |  | 7/8"                                   | 8  | 5                                    | 2    | 280  | 580  | 80   |    |
| 3+1/8"                                      |  | 1+5/8"                                 | 2  | 15                                   | 2    | 290  | 525  | 80   |    |
| 3+1/8"                                      |  | 1+5/8"                                 | 3-4  | 20                                   | 2    | 290  | 525  | 80   |    |
| 3+1/8"                                      |  | 1+5/8"                                 | 6  | 12                                   | 2    | 290  | 582  | 80   |    |
| 4+1/2"                                      |  | 1+5/8"                                 | 4  | 20                                   | 2    | 325  | 540  | 108  |    |