



SUCOceed™

PASSIVE SYSTEM COMPONENTS

UNEQUAL POWER SPLITTERS

Description

The 2-way Unequal Power Splitters have been designed to unevenly split high power cellular signals in various ratios: 2:1, 4:1, 9:1, and 30:1 with minimal reflection and loss. The unequal splitters available are supporting frequency bands between 800 and 2200 MHz.

Unlike capacitive couplers, the 2:1 and 4:1 unequal splitters maintain DC continuity both to the main and coupled ports. Available spring clips allow simple attachment to a wall. Designed with only a few solder joints and an air dielectric, loss has been minimized and reliability enhanced.

Features

- Splits signal in 2:1, 4:1, 9:1, and 30:1 ratios
- DC continuity to both main and coupled ports (2:1 and 4:1 splitters only)
- 500 W average RF power handling
- Minimal RF insertion loss
- N-type RF connectors
- Connectors silverplate finished to QQ-S-365, CL 1A for maximum electrical continuity
- High reliability
- Mounting hardware included for pole or wall attachment



Specifications

Split ratio		2:1	4:1	9:1	30:1
Frequency Range	MHz	800...2200			
Nominal impedance	Ω	50			
VSWR		<1.20:1	<1.25:1	<1.15:1	<1.15:1
Split loss	dB	1.7:4.8	1.0:7.0	0.5:10.0	0.1:15.0
Dissipative loss	dB	<0.1/0.15	<0.1/0.15	<0.1	<0.1
RF power handling:	average	150/500	150/500	150	150
	peak	2	3	3	-
Passive intermodulation (PIM)	dBc	-140 @ 2 x 20 W			
Temperature range	°C	-35...+75			
Connectors		N female			
Dimensions (W x H x D)	mm	177 x 147 x 18			
	inch	6.97 x 5.79 x 0.71			
Protection		IP 54			

Ordering Information

Description Unequal Power Splitter	Type Number	Article Number
2:1, 800 to 2200 MHz, N female	9561.52.0038	22664651
4:1, 800 to 2200 MHz, N female	9561.52.0036	22664649
9:1, 800 to 2200 MHz, N female	9561.52.0054	22664698
30:1, 800 to 2200 MHz, N female	9561.52.0056	22664700

HUBER+SUHNER group is certified according to ISO 9001 and ISO 14001.

Waiver

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