



ClearLink[®] Power Dividers 300 or 500 Watts

General Information

Our high-power, Low PIM dividers are capable of handling 300 watts of power for N-Type (f) and 4.3-10 (f) connector and up to 500 watts for 7/16 DIN (f) connector into a matched load. These are ideal for in-building applications that require the dividing of RF to accommodate multiple antenna locations.

Frequency Range

- 450-2700 MHz (CS04-040-429)*
- 617-2700 MHz for -154 and -161 PIM products
- 698-2700 MHz for -153 PIM products

Features & Benefits

- Guaranteed PIM compliance
- Available with N-Type, 4.3-10 or 7/16 DIN female connectors
- Available in 2, 3 or 4 channels
- Low through loss
- Low VSWR
- Indoor/outdoor use
- IP65 compliant
- RoHS compliant

*Specifications (Model CS04-040-429/450 MHz)

Channel	2
Dissipative loss* (dB) typical	0.25
Split loss (dB)	3.0
Total loss (dB)	<3.25
Amplitude balance (dB)	≤0.3
Phase balance side and top	1°
VSWR	≤1.5
Power rating (watts)	300W
Operating temperature	-35° C to +75° C

* With Attenuator



Specifications

Channel	2	3	4
Dissipative loss* (dB) typical	0.1	0.1	0.2
Split loss (dB)	3.0	4.8	6.0
Total loss (dB)	≤3.1	≤4.9	≤6.2
Amplitude balance (dB)	≤0.3	≤0.5	≤0.5
Phase balance side	1°	3°	3°
Phase balance top	1°	15°	15°
VSWR (:1)	≤1.35	≤1.32	≤1.40
Power rating (watts)			
Type N-Female/4.3-10 connectors	300W		
Type 7/16 DIN Female connectors	500W		
Operating temperature	-35° C to +75° C		

* With Attenuator



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Ordering Details

Connector Type	Dimensions	PIM Rating (dBc)	Channel	Model Number	Item Number
N-Type Female, 300 Watts	7.54 x 2.39 x 0.99 in	-153	2	ClearLink-SPD2/698-2.7K/N	CS04-040-429
	8.24 x 2.39 x 0.99 in	-153	3	ClearLink-SPD3/698-2.7K/N	CS04-041-429
	8.24 x 2.39 x 0.99 in	-153	4	ClearLink-SPD4/698-2.7K/N	CS04-042-429
4.3-10 Female, 300 Watts	9.70 x 2.64 x 0.99 in	-154	2	ClearLink-SPD2/617-2.7K/4310	CS04-040-4294310
	10.83 x 2.64 x 0.98 in	-154	3	ClearLink-SPD3/617-2.7K/4310	CS04-041-4294310
	10.83 x 2.64 x 0.98 in	-154	4	ClearLink-SPD4/617-2.7K/4310	CS04-042-4294310
	9.70 x 2.64 x 0.98 in	-161	2	ClearLink-SPD2/617-2.7K/-161/4310	CS04-053-429
	10.83 x 2.64 x 0.98 in	-161	3	ClearLink-SPD3/617-2.7K/-161/4310	CS04-054-429
	10.83 x 2.64 x 0.98 in	-161	4	ClearLink-SPD4/617-2.7K/-161/4310	CS04-055-429
7/16 DIN Female, 500 Watts	8.06 x 3.20 x 1.49 in	-153	2	ClearLink-SPD2/698-2.7K/DIN	CS04-043-429
	9.77 x 3.20 x 1.49 in	-153	3	ClearLink-SPD3/698-2.7K/DIN	CS04-044-429
	9.77 x 3.20 x 1.49 in	-153	4	ClearLink-SPD4/698-2.7K/DIN	CS04-045-429
	9.70 x 3.15 x 1.50 in	-161	2	ClearLink-SPD2/617-2.7K/-161/DIN	CS04-187-429
	11.06 x 3.15 x 1.50 in	-161	3	ClearLink-SPD3/617-2.7K/-161/DIN	CS04-188-429
	10.83 x 3.15 x 1.50 in	-161	4	ClearLink-SPD4/617-2.7K/-161/DIN	CS04-189-429

Specifications subject to change without notice.

ClearLink® devices are measured with two tones at +43 dBm.

Alternative mounting brackets ordered separately: Order # 521-003669-001

