

- High power, wideband, power divider at 200W from 380 to 3800 MHz
- Low RF Insertion Loss and excellent return loss performance
- Available in 2-way, 3-way and 4-way configurations
- Orderable with 4.3-10, 7-16, or N-Type connectors
- Rugged outdoor rated and high reliability design
- Designed for ultra low PIM performance
- RoHS compliant

Overview

CCI's PDO-68 series of Power Dividers deliver high power performance at 200 Watts, while covering a wide frequency band 380 to 3800 MHz. Each model provides low PIM values with very low insertion loss and excellent return loss performance. The units are offered in a range of dividing values which is very useful for optimizing RF power distribution which is often required for distributed antenna systems (DAS).

The extremely wide frequency range allows use with multiband and broadband antennas and DAS systems, and the high power handling makes them ideal for use with wireless base stations. These units are constructed with a weatherproof aluminum IP65 rated housing and with IP65 immersion rated connectors suited to long-life outdoor use. The power dividers can be wall mounted with the included bracket and the RF ports can be configured with either 4.3-10, 7-16, or N-Type connectors.

CCI filter and combiner products are designed and produced to ISO 9001 certification standards for reliability and quality at our state-of-the-art engineering and manufacturing facilities.



SPECIFICATIONS

Ultra-broadband Power Divider

PDO-88-xxx

Electrical Specification

RF Parameter			
Frequency Range	380 - 3800 MHz		
Style	2-Way	3-Way	4-Way
Split Loss	3.0 dB	4.8 dB	6.0 dB
Insertion Loss	0.4 dB maximum	0.7 dB maximum	0.7 dB maximum
Return Loss	17.7 dB minimum	17.7 dB minimum	16.5 dB minimum

General Characteristics			
Continuous Average Power	200 W		
Peak Envelope Power	2.0 kW maximum		
Impedance	50 ohms		
Intermodulation Performance	<-112 dBm (-155 dBc) at 2 x +43 dBm tones		

Environmental Specification

Operating Temperature	-35° C to +65° C
Ingress Protection Enclosure	IP67
Ingress Protection Connectors	IP67

Mechanical Specification

Style	2-Way	3-Way	4-Way
Connectors	3 x 4.3-10 (or optional 7-16) female	4 x 4.3-10 (or optional 7-16) female	5 x 4.3-10 (or optional 7-16) female
Dimensions (Housing)	343.5 x 25 x 25 mm	343.5 x 25 x 25 mm	373.2 x 25 x 25 mm
Dimensions (including Connectors)	383.5 x 65 x 25 mm	383.5 x 65 x 25 mm	413.2 x 65 x 45 mm
Weight	0.50 Kg (1.1 lbs)	0.65 Kg (1.45 lbs)	0.70 Kg (1.55 lbs)

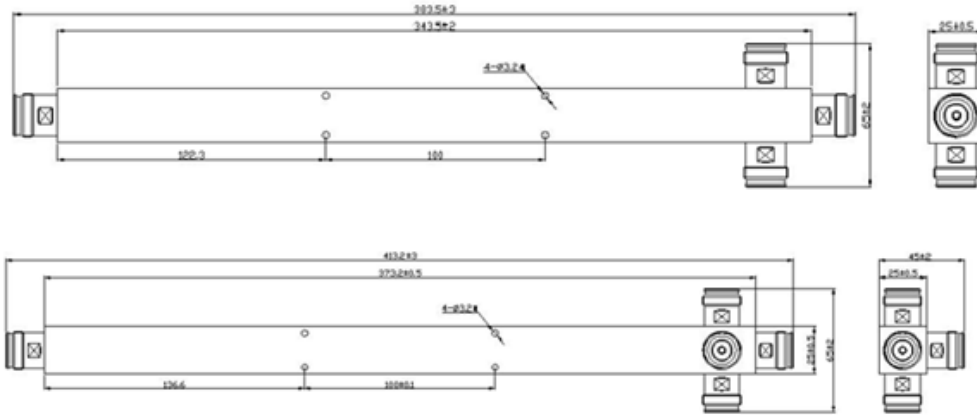


DAS Products

SPECIFICATIONS

Ultra-broadband Power Divider

PDO-88-xxx



Ultra-broadband 2, 3 and 4-way Power Divider with 4.3-10 Female Connectors Outline Drawing



DAS Products

STANDARDS & CERTIFICATIONS

Ultra-broadband Power Divider

PDO-88-xxx

Parts & Accessories

- PDO-88-2F1** 2-way with optional 7-16 female connectors
- PDO-88-2F2** 2-way with 4.3-10 female connectors
- PDO-88-2F3** 2-way with N-Type female connectors
- PDO-88-3F1** 3-way with optional 7-16 female connectors
- PDO-88-3F2** 3-way with 4.3-10 female connectors
- PDO-88-3F3** 3-way with N-Type female connectors
- PDO-88-4F1** 4-way with optional 7-16 female connectors
- PDO-88-4F2** 4-way with 4.3-10 female connectors
- PDO-88-4F2** 4-way with N-Type female connectors

Standards & Compliance

- Safety** EN 60950-1, UL 60950-1
- Emission** EN 55022
- Immunity** EN 55024
- Environmental** IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-5, IEC 60068-2-6, IEC-60068-2-11, IEC 60068-2-14, IEC 60068-2-18, IEC 60068-2-27, IEC 60068-2-29, IEC 60068-02-30, IEC 60068-2-52, IEC 60068-2-64, GR-63-CORE 4.3.1, EN 60529 IP67 & IP68

Certifications

Federal Communication Commission (FCC) Part 15 Class B, CE, CSA US, ISO 9001

