



Broad Band High-Power Air-Cooled Loads

Model No.	Waveguide	Frequency Range (GHz)	VSWR	Power Rating (CW)
CWL2292500X	WR229	3.3-4.90	1.15:1	2500
CWL2292500	WR229	3.3-4.90	1.08	2500
CWL18750X	WR187	3.95-5.85	1.15:1	50
CWL187100X	WR187	3.95-5.85	1.15:1	100
CWL187250X	WR187	3.95-5.85	1.15:1	250
CWL187500X	WR187	3.95-5.85	1.15:1	500
CWL1871000X	WR187	3.95-5.85	1.15:1	1000
CWL1871000	WR187	3.95-5.85	1.08	1000
CWL1872000X	WR187	3.95-5.85	1.15:1	2000
CWL1872000	WR187	3.95-5.85	1.08	2000
CWL15950X	WR159	4.9-7.05	1.15:1	50
CWL159100X	WR159	4.9-7.05	1.15:1	100
CWL159250X	WR159	4.9-7.05	1.15:1	250
CWL159500X	WR159	4.9-7.05	1.15:1	500
CWL1591000X	WR159	4.9-7.05	1.15:1	1000
CWL1591000	WR159	4.9-7.05	1.08	1000
CWL1592000X	WR159	4.9-7.05	1.15:1	2000
CWL1592000	WR159	4.9-7.05	1.08	2000
CWL13750X	WR137	5.85-8.2	1.15:1	50
CWL137100X	WR137	5.85-8.2	1.15:1	100
CWL137250X	WR137	5.85-8.2	1.15:1	250
CWL137500X	WR137	5.85-8.2	1.15:1	500
CWL1371000X	WR137	5.85-8.2	1.15:1	1000
CWL1371000	WR137	5.85-8.2	1.08	1000
CWL1372000X	WR137	5.85-8.2	1.15:1	2000
CWL1372000	WR137	5.85-8.2	1.08	2000
CWL11250X	WR112	7.05-10	1.15:1	50
CWL112100X	WR112	7.05-10	1.15:1	100
CWL112250X	WR112	7.05-10	1.15:1	250
CWL112500X	WR112	7.05-10	1.15:1	500
CWL1121000X	WR112	7.05-10	1.15:1	1000
CWL1121000	WR112	7.05-10	1.08	1000
CWL1122000X	WR112	7.05-10	1.15:1	2000
CWL1122000	WR112	7.05-10	1.08	2000
CWL9050X	WR90	8.2 - 12.4	1.15:1	50
CWL90100X	WR90	8.2 - 12.4	1.15:1	100
CWL90250X	WR90	8.2- 12.4	1.15:1	250



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CWL90500X	WR90	8.2 - 12.4	1.15:1	500
CWL901000X	WR90	8.2 - 12.4	1.15:1	1000
CWL901000	WR90	8.2 - 12.4	1.08	1000
CWL7550X	WR75	10-15	1.15:1	50
CWL75250X	WR75	10-15	1.15:1	250
CWL75500X	WR75	10-15	1.15:1	500
CWL751000X	WR75	10-15	1.15:1	1000
CWL6250X	WR62	12-18	1.15:1	50
CWL62250X	WR62	12-18	1.15:1	250
CWL62500X	WR62	12-18	1.15:1	500
CWL621000X	WR62	12-18	1.15:1	1000
CWL5150X	WR51	15-22.9	1.15:1	50
CWL51250X	WR51	15-22.9	1.15:1	250
CWL51500X	WR51	15-22.9	1.15:1	500
CWL511000X	WR51	15-22.9	1.15:1	1000
CWL4250X	WR42	18-26.5	1.15:1	50
CWL42250X	WR42	18-26.5	1.15:1	250
CWL42500X	WR42	18-26.5	1.15:1	500
CWL421000X	WR42	18-26.5	1.15:1	1000
CWL2810X	WR28	26.5 - 40	1.15:1	10
CWL2810	WR28	26.5 - 40	1.08	10
CWL2825X	WR28	26.5-40	1.15:1	25
CWL2850X	WR28	26.5-40	1.15:1	50
CWL28100X	WR28	26.5 - 40	1.15:1	100
CWL28100	WR28	26.5 - 40	1.08	100
CWL28200X	WR28	26.5 - 40	1.15:1	200
CWL28200	WR28	26.5 - 40	1.08	200
CWL28500X	WR28	26.5 - 40	1.15:1	500
CWL28500	WR28	26.5 - 40	1.08	500
CWL281000X	WR28	26.5 - 40	1.15:1	1000
CWL281000	WR28	26.5 - 40	1.08	1000
CWL2210X	WR22	33 - 50	1.15:1	10
CWL2210	WR22	33 -50	1.08	10
CWL22100X	WR22	33 - 50	1.15:1	100
CWL22100	WR22	33 - 50	1.08	100
CWL22200X	WR22	33 - 50	1.15:1	200
CWL22200	WR22	33 - 50	1.08	200



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CWL22500X	WR22	33 - 50	1.15:1	500
CWL22500	WR22	33 - 50	1.08	500
CWL1910X	WR19	40 - 60	1.15:1	10
CWL1910	WR19	40 - 60	1.08	10
CWL19100X	WR19	40 - 60	1.15:1	100
CWL19100	WR19	40 - 60	1.08	100
CWL19200X	WR19	40 - 60	1.15:1	200
CWL19200	WR19	40 - 60	1.08	200
CWL19500X	WR19	40 - 60	1.15:1	500
CWL19500	WR19	40 - 60	1.08	500
CWL1510X	WR15	50 - 75	1.15:1	10
CWL1510	WR15	50 - 75	1.08	10
CWL15100X	WR15	50 - 75	1.15:1	100
CWL15100	WR15	50 - 75	1.08	100
CWL15200X	WR15	50 - 75	1.15:1	200
CWL15200	WR15	50 - 75	1.08	200
CWL15500X	WR15	50 - 75	1.15:1	500
CWL15500	WR15	50 - 75	1.08	500
CWL12100X	WR12	60 - 90	1.15:1	100
CWL12100	WR12	60 - 90	1.08	100
CWL12200X	WR12	60 - 90	1.15:1	200
CWL12200	WR12	60 - 90	1.08	200
CWL12500X	WR12	60 - 90	1.15:1	500
CWL12500	WR12	60 - 90	1.08	500
CWL1010X	WR10	75 - 110	1.15:1	10
CWL1010	WR10	75 - 110	1.08	10
CWL10100X	WR10	75 - 110	1.15:1	100
CWL10100	WR10	75 - 110	1.08	100
CWL10200X	WR10	75 - 110	1.15:1	200
CWL10200	WR10	75 - 110	1.08	200
CWL10500X	WR10	75 - 110	1.15:1	500
CWL10500	WR10	75 - 110	1.08	500
CWL0810	WR08	90 - 140	1.08	10
CWL08100	WR08	90 - 140	1.08	100
CWL08200	WR08	90 - 140	1.08	200
CWL08500	WR08	90 - 140	1.08	500
CWL0610	WR06	110-170	1.08	10



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Model No.	Waveguide	Frequency Range (GHz)	VSWR	Power Rating (CW)
CWL06100	WR06	110-170	1.08	100
CWL06200	WR06	110-170	1.08	200
CWL06500	WR06	110-170	1.08	500

OTHER FREQUENCIES AND POWER LEVELS ARE ALSO AVAILABLE. COAXIAL POWER LOADS ARE ALSO AVAILABLE.

HOW TO ORDER:

Specify Model Number

CWL - WG PP - XX ← To be specified by the factory

High End Frequency Power in Watts

Example: To order a WR28 Power Load with a frequency range of 26.5-40GHz, and a power handling of 50W, Specify CWL-2850-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE

Coaxial DC Blocks

FEATURES:

- ❖ Frequency Range: 0.01GHz-65GHz
- ❖ Resonant-Free
- ❖ Compatible with Different Connector Types
- ❖ Built-in Capacitor In-Series
- ❖ Economically Priced

APPLICATIONS:

- ❖ Driver for Fiber-optic Amplifier
- ❖ Ground loop elimination
- ❖ Signal source modulation leakage suppression
- ❖ System signal-to-noise ratio improvement
- ❖ Test setup isolation



CDB Series

SPECIFICATIONS:

SMA:

Model Number	Frequency Range (GHz)	Configuration	Voltage Rating	Type
CDBV11801	0.01-18	SMA-M/F	200	Inner
CDBV11802	0.01-18	SMA-M/F	200	Outer
CDBV11803	0.01-18	SMA-M/F	200	Inner/Outer

N, BNC, TNC, 2.9mm, 2.4mm:

Model Number	Frequency Range (GHz)	Configuration	Voltage Rating	Type
CDBV10404	0.01-4	BNC-M/F	200	Inner
CDBV10405	0.01-4	BNC-M/F	200	Outer
CDBV10406	0.01-4	BNC-M/F	200	Inner/Outer
CDBV11807	0.01-18	N-M/F	200	Inner
CDBV11808	0.01-18	N-M/F	200	Outer
CDBV11809	0.01-18	N-M/F	200	Inner/Outer
CDBV11810	0.01-18	TNC-M/F	200	Inner
CDBV11811	0.01-18	TNC-M/F	200	Outer
CDBV11812	0.01-18	TNC-M/F	200	Inner/Outer
CDBV12613	0.01-26.5	2.9K-M/F	200	Inner
CDBV12614	0.01-26.5	2.9K-M/F	200	Outer
CDBV12615	0.01-26.5	2.9K-M/F	200	Inner/Outer
CDBV14016	0.01-40	2.9K-M/F	200	Inner
CDBV14017	0.01-40	2.9K-M/F	200	Outer
CDBV14018	0.01-40	2.9K-M/F	200	Inner/Outer
CDBV15019	0.01-50	2.4K-M/F	75	Inner
CDBV15020	0.01-50	2.4K-M/F	75	Outer
CDBV15021	0.01-50	2.4K-M/F	75	Inner/Outer



Coaxial DC Blocks

Model Number	Frequency Range (GHz)	Configuration	Voltage Rating	Type
CDBV16522	0.01-65	2.4K-M/F	16	Inner
CDBU30223	0.30-2.5	7/16 DIN-M/F	100	Inner

HIGH VOLTAGE:

Model Number	Frequency Range (GHz)	Configuration	Voltage Rating	Type
CDBU10424	0.1-4	SMA-M/F	900	Inner
CDBU11825	0.1-18	SMA-M/F	950	Inner
CDBU11826	0.1-18	N-M/F	950	Inner
CDBU11827	0.1-18	TNC-M/F	950	Inner
CDBU80228	0.8-2.8	7/16 DIN-M/F	3000	Inner

BROADBAND:

Model Number	Frequency Range (GHz)	Configuration	Voltage Rating	Type
CDBH72329	0.007-23	SMA-M/F	100	Inner
CDBH72630	0.007-26.5	GPO-M/F	50	Inner
CDBH72631	0.007-26.5	GPO-M/F	50	Inner
CDBH72632	0.007-26.5	SMP-M/F	50	Inner
CDBH72633	0.007-26.5	SMP-M/F	50	Inner
CDBH74034	0.007-40	2.9K-M/F	35	Inner
CDBH75035	0.007-50	2.4K-M/F	35	Inner

75Ohm, IN SERIES:

Model Number	Frequency Range (GHz)	Configuration	Voltage Rating	Type
CDBV10236	0.01-2	F-M/F	200	Inner
CDBV10237	0.01-2	F-M/F	200	Outer
CDBV10238	0.01-2	F-M/F	200	Inner/Outer
CDBU10439	0.1-4	N-M/F	200	Inner
CDBU10440	0.1-4	N-M/F	200	Outer
CDBU10441	0.1-4	N-M/F	200	Inner/Outer
CDBU10442	0.1-4	BNC-M/F	200	Inner
CDBU10443	0.1-4	BNC-M/F	200	Outer
CDBU10444	0.1-4	BNC-M/F	200	Inner/Outer

BETWEEN SERIES:

Model Number	Frequency Range (GHz)	Configuration	Voltage Rating	Type
CDBV10445	0.01-4	BNC-M/SMA-F	100	Inner
CDBV11846	0.01-18	N-M/SMA-M	200	Inner
CDBV11847	0.01-18	N-M/SMA-F	200	Inner
CDBV11848	0.01-18	N-F/SMA-M	200	Inner



Coaxial DC Blocks

Model Number	Frequency Range (GHz)	Configuration	Voltage Rating	Type
CDBV11849	0.01-18	N-F/SMA-F	200	Inner
CDBV14050	0.01-40	2.4K-M/2.9K-F	200	Inner
CDBV14051	0.01-40	2.4K-F/2.9K-M	200	Inner
CDBV14052	0.01-40	2.4K-F/2.9K-F	200	Inner

ATTENUATORS:

Model Number	Frequency Range (GHz)	Configuration	Voltage Rating	Type
CDBV10253	0.01-2	SMA (1-20dB)	200	Inner
CDBV10254	0.01-2	N (1-20dB)	200	Inner
CDBV10255	0.01-2	TNC (1-20dB)	200	Inner
CDBV10256	0.01-2	F 75Ω (1-20dB)	200	Inner

TERMINATIONS:

Model Number	Frequency Range (GHz)	Configuration	Voltage Rating	Type
CDBV31857	0.03-18	SMA	100	Inner
CDBV31858	0.03-18	N	100	Inner
CDBV32359	0.03-23	SMP-F	100	Inner
CDBU15060	0.1-50	SMPM-M	10	Inner

CONNECTORS (0.012" Dia. Pin):

Model Number	Frequency Range (GHz)	Configuration	Voltage Rating	Type
CDBH74561	0.007-45	2.9K-F	25	Inner
CDBH74562	0.007-45	2.9K-M	25	Inner
CDBH74563	0.007-45	2.4K-F	25	Inner
CDBH74564	0.007-45	2.4K-M	25	Inner
CDBV25065	0.025-50	1.8K	25	Inner

OTHER COMBINATIONS AND ADAPTERS ARE ALSO AVAILABLE. PLEASE, CONTACT THE FACTORY

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