

Limiters

FEATURES

- ❖ 0.1 to 65.0 GHz (Octave/Multi-octave)
- ❖ Up to 2 Watt CW and 150W Peak (1 µsec) Power Handling Capability
- ❖ Fast Response and Short Recovery Time (10 to 20 µsec typical)
- ❖ Compact/Rugged Thin-Film Construction
- ❖ Economically Priced

APPLICATIONS

- ❖ Test Set Up
- ❖ Receiver Protection
- ❖ Power Levelling



Cernexwave's **CLM Series Limiters** are designed for use in a wide range of general purpose applications such as laboratory test equipment, instrumentation. Reliable operation is achieved using rugged stripline circuit construction.

SPECIFICATIONS

Model Number	Frequency (GHz)	Insertion Loss (dB) typ	VSWR max	Threshold (dBm) typ	Leakage @1W CW Input (dBm)max	Connectors
CLMU1U504	0.1-0.5	0.4	1.3:1	+6	+14	SMA-M/SMA-F
CLMU10105	0.1-1.0	0.5	1.4:1	+6	+14	SMA-M/SMA-F
CLMU10206	0.1-2.0	0.6	1.4:1	+6	+14	SMA-M/SMA-F
CLMU10408	0.1-4.0	0.8	1.5:1	+6	+14	SMA-M/SMA-F
CLMU11217	0.1-12.0	1.7	1.6:1	+6	+14	SMA-M/SMA-F
CLMU11822	0.1-18.0	2.2**	2.0:1	+6	+14	SMA-M/SMA-F
CLMU50104	0.5-1.0	0.4	1.3:1	+9	+20	SMA-M/SMA-F
CLMU50105	0.5-1.0	0.5	1.4:1	+6	+14	SMA-M/SMA-F
CLMU50205	0.5-2.0	0.5	1.3:1	+9	+20	SMA-M/SMA-F
CLMU50206	0.5-2.0	0.6	1.4:1	+6	+14	SMA-M/SMA-F
CLMU50407	0.5-4.0	0.7	1.4:1	+6	+14	SMA-M/SMA-F
CLMU50407*	0.5-4.0	0.7	1.5:1	200*	+3.0	--
CLMU50408*	0.5-4.0	0.8	1.5:1	1000*	+5.0	--
CLMU50612	0.5-6.0	1.2	1.5:1	+6	+14	SMA-M/SMA-F
CLMU51216	0.5-12.0	1.6	1.6:1	+6	+14	SMA-M/SMA-F
CLMU51818	0.5-18.0	1.8**	2.0:1	+9	+20	SMA-M/SMA-F
CLMU51820	0.5-18.0	2.0**	2.0:1	+6	+14	SMA-M/SMA-F
CLM010204	1.0-2.0	0.4	1.3:1	+9	+19	SMA-M/SMA-F
CLM010206	1.0-2.0	0.6	1.4:1	+6	+14	SMA-M/SMA-F
CLM010612	1.0-6.0	1.2	1.5:1	+6	+14	SMA-M/SMA-F
CLM011216	1.0-12.0	1.6	1.6:1	+6	+14	SMA-M/SMA-F
CLM011818	1.0-18.0	1.8	2.0:1	+9	+20	SMA-M/SMA-F

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CLM011820	1.0-18.0	2.0	2.0:1	+6	+14	SMA-M/SMA-F
CLM020407	2.0-4.0	0.7	1.4:1	+6	+14	SMA-M/SMA-F
CLM020405	2.0-4.0	0.5	1.4:1	+9	+19	SMA-M/SMA-F
CLM020612	2.0-6.0	1.2	1.5:1	+6	+14	SMA-M/SMA-F
CLM020806*	2.0-8.0	0.6	1.7:1	100*	+2.0	--
CLM020807*	2.0-8.0	0.7	1.7:1	200*	+2.0	--
CLM020812	2.0-8.0	1.2	1.5:1	+9	+19	SMA-M/SMA-F
CLM020812*	2.0-8.0	1.2	1.7:1	1000*	+3.0	--
CLM020813	2.0-8.0	1.3	1.6:1	+6	+14	SMA-M/SMA-F
CLM021818	2.0-18.0	1.8	2.0:1	+9	+20	SMA-M/SMA-F
CLM021820	2.0-18.0	2.0	2.0:1	+6	+14	SMA-M/SMA-F
CLM021820*	2.0-18.0	2.0	2.0:1	200*	+2.0	--
CLM021822*	2.0-18.0	2.2	2.0:1	600*	+3.0	---
CLM040812	4.0-8.0	1.2	1.5:1	+9	+19	SMA-M/SMA-F
CLM040813	4.0-8.0	1.3	1.5:1	+6	+13	SMA-M/SMA-F
CLM041210*	4.0-12.0	1.0	1.8:1	200*	+2.0	--
CLM041216*	4.0-12.0	1.6	1.8:1	800*	+3.0	--
CLM061820	6.0-18.0	2.0	2.0:1	+6	+13	SMA-M/SMA-F
CLM071215	7.0-12.0	1.5	1.6:1	+9	+19	SMA-M/SMA-F
CLM071216	7.0-12.0	1.6	1.6:1	+6	+13	SMA-M/SMA-F
CLM070712	7.1-7.4	1.2	1.5:1	+9	+9	SMA-M/SMA-F
CLM081616	8.0-16.0	1.6	1.8:1	+9	+19	SMA-M/SMA-F
CLM081618	8.0-16.0	1.8	1.8:1	+6	+13	SMA-M/SMA-F
CLM081818	8.0-18.0	1.8	2.0:1	+9	+19	SMA-M/SMA-F
CLM081819*	8.0-18.0	1.9	1.9:1	200*	+2.0	--
CLM081820	8.0-18.0	2.0	2.0:1	+6	+13	SMA-M/SMA-F
CLM081822*	8.0-18.0	2.2	2.0:1	600*	+3.0	--
CLM111818	11.0-18.0	1.8	2.0:1	+9	+19	SMA-M/SMA-F
CLM111820	11.0-18.0	2.0	2.0:1	+6	+13	SMA-M/SMA-F
CLM184045	18-40	4.5	3:1	+6	+13	2.92mm-M/2.9mm-F
CLM264030	26-40	3.0	2:1	+6	+13	2.92mm-M/2.9mm-F
CLM343630	34-36	3.0	-	+6	+13	2.92mm-M/2.9mm-F
CLM353835	35-38	3.5	2:1	+6	+13	2.92mm-M/2.9mm-F

*Require an external D.C. return of 1.0 Ohm or less.

OTHER FREQUENCY BAND AND POWER LEVELS ARE ALSO AVAILABLE UPON REQUEST