

FEATURES:

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

APPLICATIONS:

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



CLM Series

DESCRIPTION:

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

SPECIFICATIONS:

Model Number	Frequency Range (GHz)	Insertion Loss (dB) Max	VSWR Max	Typ LIM Threshold (dBm)	Max Leakage @ 1W CW Input (dBm)	Connectors	Case Type
CLMU1U504	0.1-0.5	0.4	1.3:1	+6	+14	SMA-M/SMA-F	HN1
CLMU10105	0.1-1.0	0.5	1.4:1	+6	+14	SMA-M/SMA-F	HN1
CLMU10206	0.1-2.0	0.6	1.4:1	+6	+14	SMA-M/SMA-F	HN1
CLMU10408	0.1-4.0	0.8	1.5:1	+6	+14	SMA-M/SMA-F	HN1
CLMU11217	0.1-12.0	1.7	1.6:1	+6	+14	SMA-M/SMA-F	HN1
CLMU11822	0.1-18.0	2.2	2.0:1	+6	+14	SMA-M/SMA-F	HN1
CLMU50104	0.5-1.0	0.4	1.3:1	+9	+20	SMA-M/SMA-F	HN1
CLMU50105	0.5-1.0	0.5	1.4:1	+6	+14	SMA-M/SMA-F	HN1
CLMU50205	0.5-2.0	0.5	1.3:1	+9	+20	SMA-M/SMA-F	HN1
CLMU50206	0.5-2.0	0.6	1.4:1	+6	+14	SMA-M/SMA-F	HN1
CLMU50407	0.5-4.0	0.7	1.4:1	+6	+14	SMA-M/SMA-F	HN1
CLMU50612	0.5-6.0	1.2	1.5:1	+6	+14	SMA-M/SMA-F	HN1
CLMU51216	0.5-12.0	1.6	1.6:1	+6	+14	SMA-M/SMA-F	HN1
CLMU51818	0.5-18.0	1.8	2.0:1	+9	+20	SMA-M/SMA-F	HN1
CLMU51820	0.5-18.0	2.0	2.0:1	+6	+14	SMA-M/SMA-F	HN1
CLM010204	1.0-2.0	0.4	1.3:1	+9	+19	SMA-M/SMA-F	HN1
CLM010206	1.0-2.0	0.6	1.4:1	+6	+14	SMA-M/SMA-F	HN1
CLM010612	1.0-6.0	1.2	1.5:1	+6	+14	SMA-M/SMA-F	HN1
CLM011216	1.0-12.0	1.6	1.6:1	+6	+14	SMA-M/SMA-F	HN1

Limiters

Model Number	Frequency Range (GHz)	Insertion Loss (dB) Max	VSWR Max	Typ LIM Threshold (dBm)	Max Leakage @ 1W CW Input (dBm)	Connectors	Case Type
CLM011818	1.0-18.0	1.8	2.0:1	+9	+20	SMA-M/SMA-F	HN1
CLM011820	1.0-18.0	2.0	2.0:1	+6	+14	SMA-M/SMA-F	HN1
CLM020407	2.0-4.0	0.7	1.4:1	+6	+14	SMA-M/SMA-F	HN1
CLM020405	2.0-4.0	0.5	1.4:1	+9	+19	SMA-M/SMA-F	HN1
CLM020612	2.0-6.0	1.2	1.5:1	+6	+14	SMA-M/SMA-F	HN1
CLM020812	2.0-8.0	1.2	1.5:1	+9	+19	SMA-M/SMA-F	HN1
CLM020813	2.0-8.0	1.3	1.6:1	+6	+14	SMA-M/SMA-F	HN1
CLM021818	2.0-18.0	1.8	2.0:1	+9	+20	SMA-M/SMA-F	HN1
CLM021820	2.0-18.0	2.0	2.0:1	+6	+14	SMA-M/SMA-F	HN1
CLM040812	4.0-8.0	1.2	1.5:1	+9	+19	SMA-M/SMA-F	HN1
CLM040813	4.0-8.0	1.3	1.5:1	+6	+13	SMA-M/SMA-F	HN1
CLM061820	6.0-18.0	2.0	2.0:1	+6	+13	SMA-M/SMA-F	HN1
CLM071215	7.0-12.0	1.5	1.6:1	+9	+19	SMA-M/SMA-F	HN1
CLM071216	7.0-12.0	1.6	1.6:1	+6	+13	SMA-M/SMA-F	HN1
CLM070712	7.1-7.4	1.2	1.5:1	+9	+9	SMA-M/SMA-F	HN1A
CLM081616	8.0-16.0	1.6	1.8:1	+9	+19	SMA-M/SMA-F	HN1
CLM081618	8.0-16.0	1.8	1.8:1	+6	+13	SMA-M/SMA-F	HN1
CLM081818	8.0-18.0	1.8	2.0:1	+9	+19	SMA-M/SMA-F	HN1
CLM081820	8.0-18.0	2.0	2.0:1	+6	+13	SMA-M/SMA-F	HN1
CLM111818	11.0-18.0	1.8	2.0:1	+9	+19	SMA-M/SMA-F	HN1
CLM111820	11.0-18.0	2.0	2.0:1	+6	+13	SMA-M/SMA-F	HN1
CLM184045	18-40	4.5	3:1	+6	13@25 deg C	2.92mm-M/2.9mm-F	HN1B
CLM264030	26-40	3.0 Typ	2:1	+6	13@25 deg C	2.92mm-M/2.9mm-F	HN1B
CLM343630	34-36	3.0 Typ	-	+6	13@25 deg C	2.92mm-M/2.9mm-F	HN1B
CLM353835	35-38	3.5 Max	2:1	+6	13@25 deg C	2.92mm-M/2.9mm-F	HN1B

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.
OTHER FREQUENCY BAND AND POWER LEVELS ARE ALSO AVAILABLE UPON REQUEST