

DESCRIPTION

M/A-COM Ltd's range of high average power limiters offer multi-octave performance with CW or average power handling up to 100W. Pulse conditions of up to 100us pulse length with 10% duty cycle allow these devices to limit high power signals from a wide variety of sources. All the devices include internal dc return and dc blocking capacitors at input and output for all package styles. To specify the full part number, including package style and connector configuration please refer to page 210.

SPECIFICATIONS

Frequency Range (GHz)	Max Peak Power (W)	Max CW Power (W)	Max Leakage Power (mW)	Max Pulse Length (us)	Max Duty Ratio (%)	Max Insertion Loss (dB)	Max VSWR	Available Package Styles	Part Number
0.001 - 0.1	-	50	100	-	-	0.8	1.3	1,3,5	ML 6741-1XY
0.1 - 0.5	-	50	100	-	-	1.0	1.3	1,3,5	ML 6742-1XY
0.5 - 2.0	1000	100	100	100	10	1.2	1.4	1,3,5	ML 6743-1XY
2.0 - 6.0	1000	100	100	10	10	1.5	1.6	1,3,5	ML 6744-1XY
6.0 - 12.0	1000	50	100	5	2	2.2	1.8	1,3,5	ML 6745-1XY
12.0 - 18.0	500	20	100	1	1	2.7	2.0	1,3,5	ML 6746-1XY
6.0 - 18.0	500	20	100	1	1	2.7	2.0	1,3,5	ML 6747-1XY
3.5 - 18.0	500	20	100	1	1	2.7	2.0	1,3,5	ML 6748-1XY
18.0 - 40.0	300	10	100	1	1	5.0	2.5	1,3	ML 6749-1XY

NOTES:

- (1) Recovery time 5us, measured to 3dB of low loss state
- (2) Spike leakage 20nJ above flat leakage
- (3) Insertion loss and VSWR measured at -10dBm input power
- (4) 1dB compression point +7dBm min.
- (5) Case operating temperature -55°C to +85°C
- (6) Storage temperature -55°C to +125°C