

# LOW LEAKAGE POWER LIMITERS

## ML 6720-000 Series

### DESCRIPTION

M/A-COM Ltd's range of low leakage limiters offer ultra low leakage powers for protection of particularly sensitive receiver components. All of 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 Recovery Time (ns)	Max Insertion Loss (dB)	Max VSWR	Available Package Styles	Part Number
0.001 - 0.1	25	5	50	500	0.4	1.3	0,2,4,6	ML 6721-1XY
0.1 - 0.5	50	5	50	500	0.5	1.3	0,2,4,6	ML 6722-1XY
0.5 - 2.0	100	2	25	100	0.6	1.4	1,3,5,7,9	ML 6723-1XY
	500	5	50	250	0.7	1.4	1,3,5,7	ML 6723-2XY
2.0 - 6.0	100	2	25	100	1.0	1.6	0,2,4,6,8	ML 6724-1XY
	500	5	50	250	1.1	1.6	0,2,4,6	ML 6724-2XY
6.0 - 12.0	100	2	25	100	1.6	1.8	0,2,4,6,8	ML 6725-1XY
	500	5	50	250	1.7	1.8	0,2,4,6	ML 6725-2XY
12.0 - 18.0	100	2	25	100	2.3	2.0	0,2,4,6,8	ML 6726-1XY
6.0 - 18.0	100	2	25	100	2.3	2.0	0,2,4,6,8	ML 6727-1XY
0.5 - 18.0	100	2	25	100	2.3	2.0	0,2,4,6,8	ML 6728-1XY
18.0 - 40.0	100	2	50	100	4.2	2.5	0,2	ML 6729-1XY

#### NOTES:

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