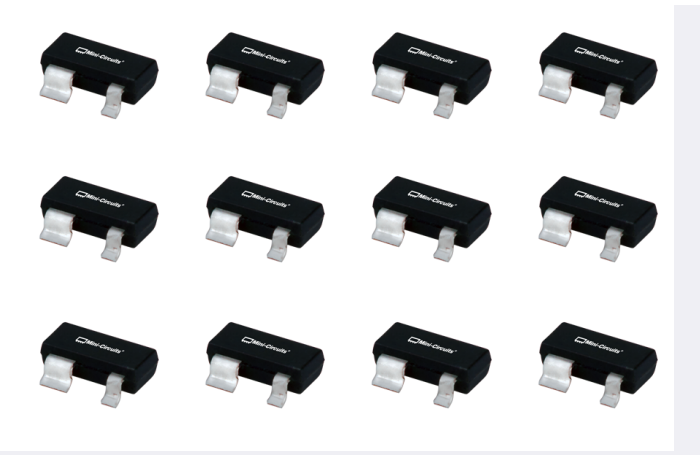
DESIGNER'S KIT K1-LAT+

Fixed Attenuators

50Ω DC to 2.5GHz



FEATURES

- Wideband, 50Ω
- Input power 0.5W max.
- 1 to 20dB attenuation
- Excellent VSWR
- Miniature plastic SOT-143 SMpkg.
- Aqueous washable
- Low cost

MINI-CIRCUITS DESIGNER'S KITS SPEED UP THE SOLUTION

RoHS COMPLIANT

K1-LAT+ ELECTRICAL SPECIFICATIONS

(3, 6, 10, 15, 20dB Qty. 4 ea.) (1, 2, 4, 5, 7, 8, 9, 12dB Qty. 2ea.) 36 total

Model	Frequency (GHz) f_L-f_U	Attenuation (dB) Nom.	Attenuation (dB) Flatness Max. DC-0.5 GHz	Attenuation (dB) Flatness Max. DC-1 GHz	Attenuation (dB) Flatness Max. DC-2.5 GHz	VSWR (:1) Max. DC-0.5 GHz	VSWR (:1) Max. DC-1 GHz	VSWR (:1) Max. DC-2.5 GHz	Input Power[1] (W) Max.
LAT-1+	DC-2.5	1±0.3	0.3	0.4	0.7	1.2	1.3	1.5	0.5
LAT-2+	DC-2.5	2±0.3	0.3	0.4	0.7	1.2	1.3	1.5	0.5
LAT-3+	DC-2.5	3±0.3	0.3	0.4	0.7	1.2	1.3	1.5	0.5
LAT-4+	DC-2.5	4±0.3	0.3	0.4	0.7	1.2	1.3	1.5	0.5
LAT-5+	DC-2.5	5±0.3	0.3	0.4	0.7	1.3	1.3	1.5	0.5
LAT-6+	DC-2.5	6±0.3	0.3	0.4	0.7	1.3	1.4	1.5	0.5
LAT-7+	DC-2.5	7±0.3	0.3	0.4	0.7	1.3	1.4	1.5	0.5
LAT-8+	DC-2.5	8±0.4	0.3	0.5	0.8	1.3	1.4	1.5	0.5
LAT-9+	DC-2.5	9±0.4	0.3	0.5	0.8	1.3	1.4	1.5	0.5
LAT-10+	DC-2.5	10±0.5	0.3	0.5	0.8	1.3	1.4	1.5	0.5
LAT-12+	DC-2.5	12±0.8	0.3	0.5	0.8	1.3	1.4	1.6	0.5
LAT-15+	DC-2.5	15±0.8	0.3	0.5	0.9	1.3	1.4	1.6	0.5
LAT-20+	DC-2.5	20±1.5	0.3	0.5	0.9	1.3	1.4	1.6	0.5

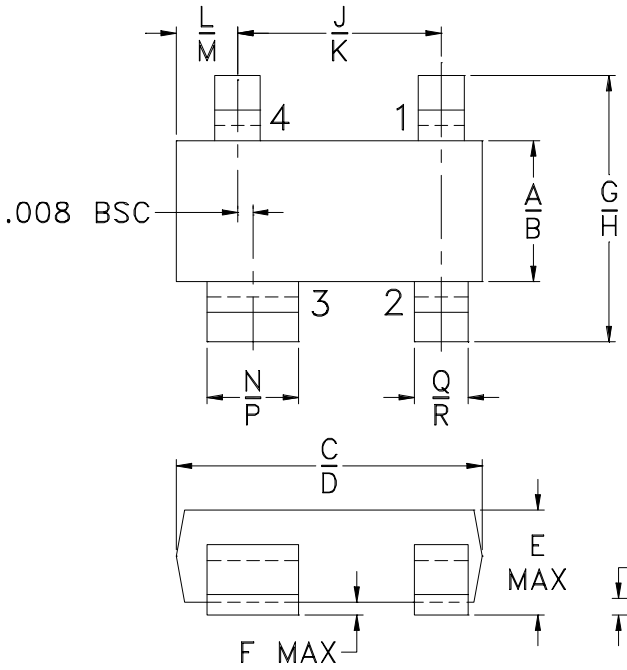
[1] RF power at 25°C case temperature: 0.5W. Derate linearly to 0.2W at 85°C.

REV. A
K1-LAT+
MCL NY
210402

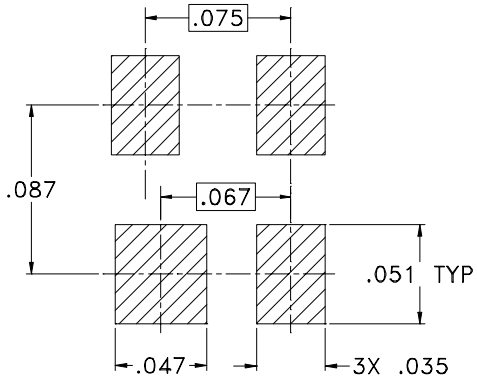
Case Style MMM

MMM168

Outline Dimensions



PCB Land Pattern



Suggested Layout,
Tolerance to be within ±.002

CASE #.	A	B	C	D	E	F	G	H	J	K	L	M	N	P
MMM168	.045 (1.14)	.055 (1.40)	.105 (2.67)	.120 (3.05)	.047 (1.19)	.005 (0.13)	.083 (2.11)	.104 (2.64)	.070 (1.78)	.080 (2.03)	.018 (0.46)	.024 (0.61)	.030 (0.76)	.036 (0.91)

CASE #.	Q	R	S	T	WT, GRAM
MMM168	.015 (0.38)	.021 (0.53)	.023 (0.58)	.005 (0.13)	.01

Dimensions are in inches (mm). Tolerances: 2 Pl. ± .01; 3 Pl. ± .005

Notes:

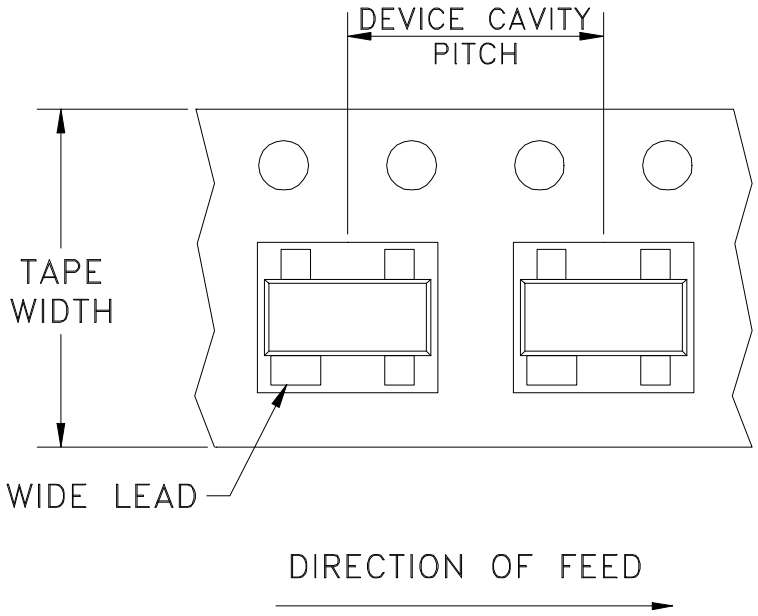
1. Case material: Plastic.
2. Termination finish:
   For RoHS Case Styles: Tin-Silver alloy plate over Nickel barrier.
   For RoHS-5 Case Styles: Tin-Lead plate.

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Tape & Reel Packaging TR-F8

DEVICE ORIENTATION IN T&R



Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel
8	4	7	3000

Mini-Circuits carrier tape materials provide protection from ESD (Electro-Static Discharge) during handling and transportation. Tapes are static dissipative and comply with industry standards EIA-481/EIA-541.

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