



SMT High Current Flat Wire Inductors - MPLD13080M1

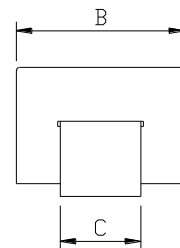
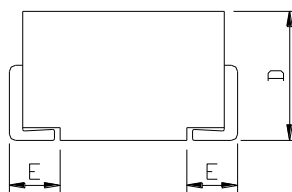
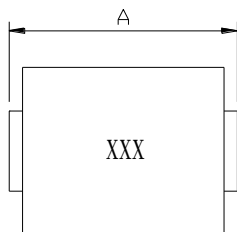
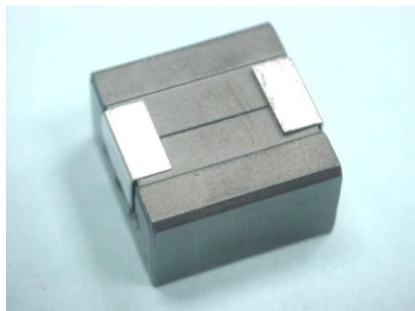


PART NUMBERING SYSTEM

MPLD	13080M1	—	R11M	SA
TYPE	DIMENSIONS		INDUCTANCE	TYPE

SHAPES AND DIMENSIONS

UNIT : mm

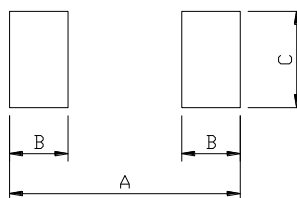


A=13.46 Max. B=13.0 Max. C=5.0 ± 0.3 D=8.0~8.5 Max. E=2.54 ± 0.3

RECOMMENDED PATTERNS

UNIT : mm

A=13.47 B=3.18 C=7.62



FEATURES

1. Voltage regulator modules (VRMs) for servers, microprocessors.
2. High frequency, high current switching power supplies.
Electrical Characteristic
 - a. Storage temperature range : -40°C to + 125°C.
 - b. Operating ambient temperature range : -40°C to + 125°C (range is application specific)
 - c. Infrared reflow temperature : +260°C for 10 seconds maximum.
 - d. Frequency Range : 300KHz to 2MHz.
3. Surface mount inductors designed for high speed, high current switch mode applications requiring lower inductance.
4. Inductance values from 210nH to 500nH, Current range up to 71 Amps.



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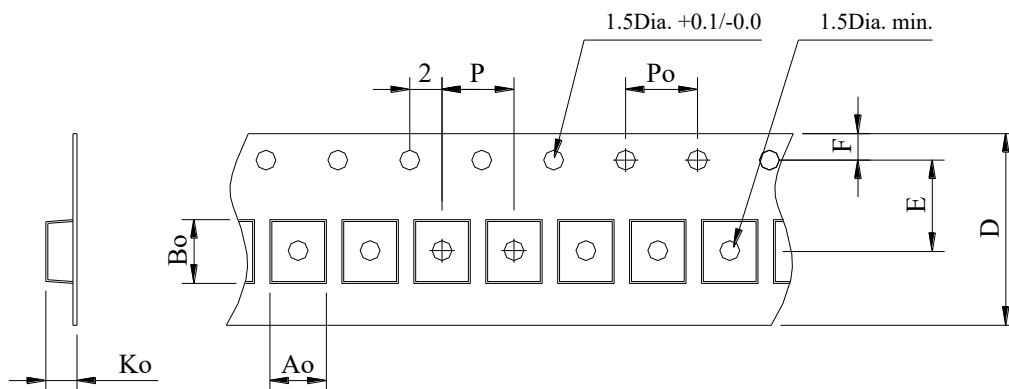


SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (nH)	DCR (mΩ)	I rms Amps	I sat (peak) Amps	Dimension D
MPLD13080M1-R11M-SA	110±10%	0.32mΩ±9.4%	45	120	8.5
MPLD13080M1-R21M-SA	210±20%	0.32mΩ±9.4%	45	70	8.3
MPLD13080M1-R26M-SA	260±20%	0.32mΩ±9.4%	45	60	8.2
MPLD13080M1-R32M-SA	320±20%	0.32mΩ±9.4%	45	50	8.0
MPLD13080M1-R44M-SA	440±20%	0.32mΩ±9.4%	45	35	8.0
MPLD13080M1-R50M-SA	500±20%	0.32mΩ±9.4%	45	28	8.0

- Isat: DC current at which the inductance drops 20% (typ.) from its value without current.
- Irms: Average current for 40°C temperature rise from 25°C ambient.

PACKAGING SPECIFICATION



STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)							
		Ao	Bo	Ko	P	Po	D	E±0.1	F±0.1
13~16	450	13.0±0.1	13.5±0.1	8.05±0.1	12.0±0.1	4	24.0±0.3	11.5	1.75

Inner Box : 900pcs

Carton Qty : 3600pcs