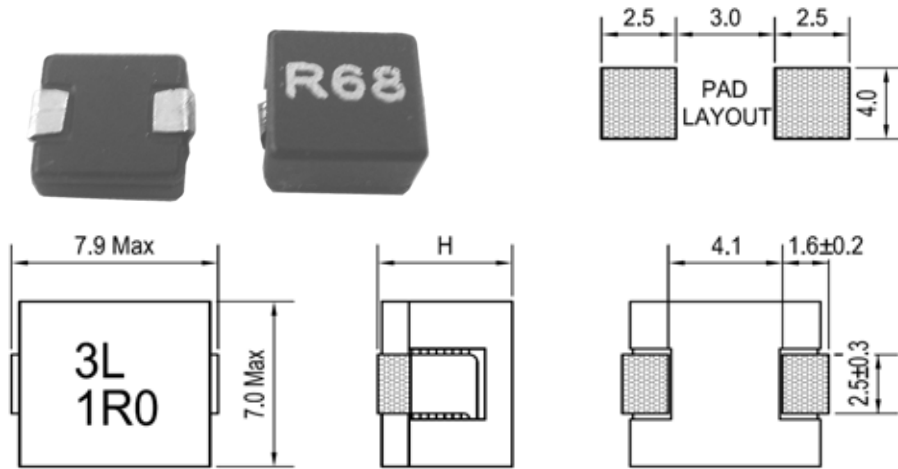


Shape and Size : (Dimensions in mm)

Features :

- . Super flux core materials.
- . 155 maximum total temperature operation.
- . Small size.
- . High current.
- . Frequency range up to 2MHz.

Ordering Information :
SMT ER65 - 1R0 M

(1) (2) (3) (4)

 (1)Type : **Surface Mountable Type** .

 (2)Style : Flat wire with **ER** core

 (3)Inductance : **1R0** for **1.0uH**.

 (4)Inductance tolerance : "**M**": ±20%;

Characteristics :

- . I sat: The current when the inductance becomes 10% (or 15%) lower than its initial value. (Ta=20)
- . I rms: The current when temperature of coil increases up to Max. T=40 . (Ta=20)
- . Operating temperature : -40 to 155 .

Applications:

- . Computer and portable power devices
- . Energy storage applications
- . DC/DC converters,
- . Input – output filter application

Test equipments and test setup:

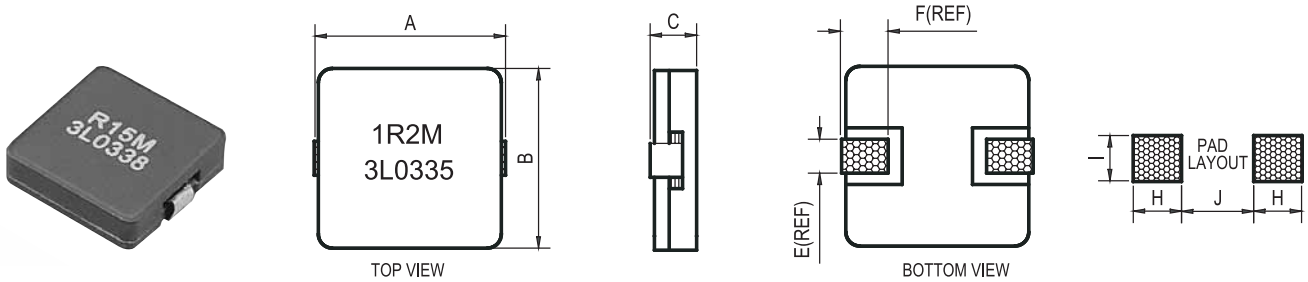
L: Agilent 4284A Precision LCR meter @100kHz 0.1V.

DCR : Milli-ohm meter.

- . Electrical specifications at 25 .

Part No.	L (uH) ±20%	DCR (m) Max.	I sat L Drop 10% (A) Typ.	I sat L Drop 15% (A) Typ.	I rms (A) Max.	H (mm) Max.
SMTER63 - R10M	0.10	1.2	22.0	32.0	19.0	3.0
SMTER64 - R22M	0.22	1.8	16.0	24.0	15.0	4.0
SMTER64 - R47M	0.47	2.5	11.0	16.0	13.0	4.0
SMTER65 - R68M	0.68	3.2	10.0	14.0	12.0	5.0
SMTER65 - 1R0M	1.00	4.0	8.5	11.0	11.0	5.0
SMTER65 - 1R5M	1.50	4.5	7.0	9.0	10.0	5.0

Shape and Size : (Dimensions in mm)



ITEM	A(max)	B(max)	C(max)	E	F	H	I	J
SMTER134	13.50	13.10	4.00	2.40	3.00	4.50	4.20	5.00

Features :

- . Big current (40A).
- . Footprint compatible with most standard
- . Lower temperature rise at big current
- . Low profile, low DCR.
- . Available on tape and reel for auto surface mounting.

Ordering Information :

- SMT ER134 - 1R2 M**
- (1) (2) (3) (4)
- (1)Type : **Surface Mountable Type** .
- (2)Style : **ER** core with **134** is size.
- (3)Inductance : **1R2** for **1.2uH**.
- (4)Inductance tolerance :
- "N":±30% "M": ±20%;

Inductance & rated current and DCR ranges :

- . SMTER134-R25N 0.25uH @DC40A, DCR:1.0mΩMAX.
- . SMTER134-R60N 0.6uH @DC30A, DCR:2.5mΩMAX.
- . SMTER134-1R2M 1.2uH @DC22A, DCR:3.4mΩMAX.
- . SMTER134-1R8M 1.8uH @DC12A, DCR:12mΩMAX.
- . SMTER134-2R7M 2.7uH @DC10A, DCR:14mΩMAX.

Characteristics :

- . Rated DC Current: It is either the inductance is 20% ("N" is 30%) lower than its initial value in D.C. saturation characteristics or temperature raise becomes T=40 (Ta=20), whichever is lower.
- . Operating temperature:-40 to 85

Applications:

- . Test equipments:
 - L : Agilent 4284A LCR meter @100KHz ,100mV
 - DCR : Milli-ohm meter.
 - Electrical specifications at 25 .
- . Notebook /Desktop/server applications
- . Battery Power equipment
- . DC/DC converters,
- . Power supplier, etc