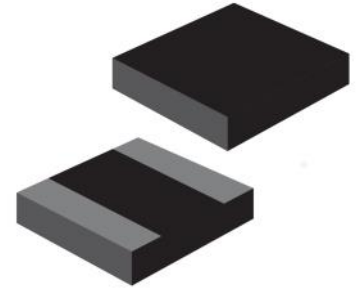


## Power Inductor SMD (4.5 x 4.3 x 1.2mm)

### FEATURES

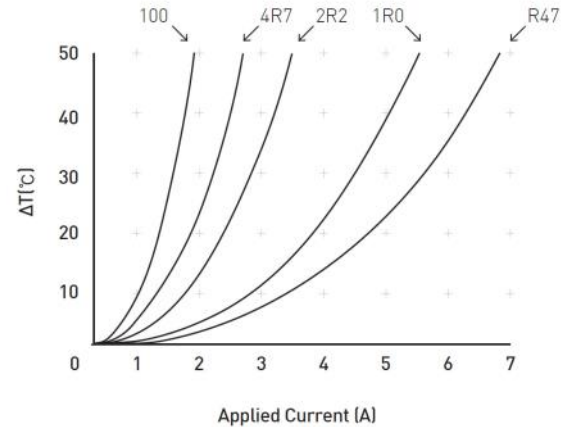
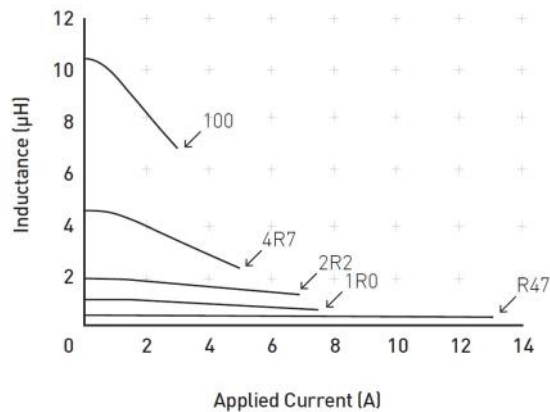
- Magnetic alloy power choke coil
- Low profile
- Magnetic shielded
- Low acoustic noise
- High efficiency
- Halogen Free RoHS compliant



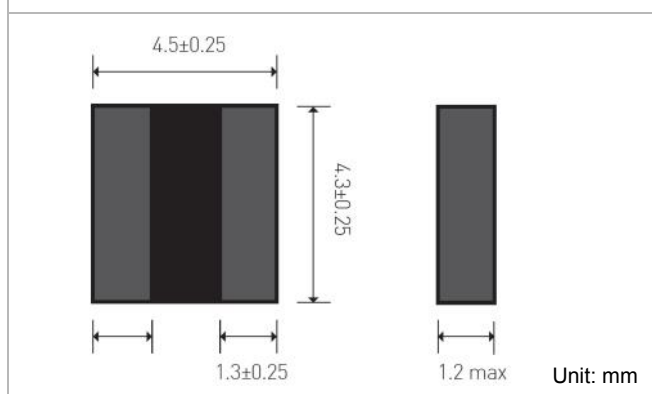
### SPECIFICATION

Part No.	Inductance (μH)	Tolerance (%)	DC Resistance (mΩ)	Rated DC Current (A) Typ.	
			Max. (Typ.)	$\Delta L/L=30\%$	$\Delta T=40^{\circ}\text{C}$
TMPIC454312-R47	0.47	±20	19.6(16.4)	8.0	6.0
TMPIC454312-1R0	1.0	±20	33(27)	6.0	4.8
TMPIC454312-2R2	2.2	±20	79(66)	4.2	3.0
TMPIC454312-3R3	3.3	±20	98(82)	3.4	2.7
TMPIC454312-4R7	4.7	±20	124(104)	3.0	2.4
TMPIC454312-6R8	6.8	±20	213(178)	2.4	1.8
TMPIC454312-100	10.0	±20	307(256)	2.1	1.6
TMPIC454312-220	22.0	±20	580(484)	1.3	1.1

- Inductance is measured with the 4294A(Agilent Technologies) or equivalent. (@1 MHz, 0.1Vrms)
- DC Resistance is measured with the Digital Multimeter 3541(Hioki) or equivalent.
- Maximum allowable DC current is that which caused a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.



### DIMENSIONS



### SOLDER PATTERN

