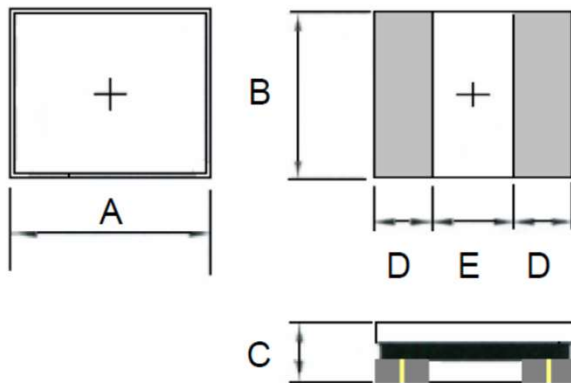


### 1. Features

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



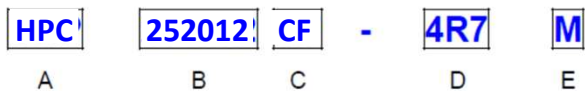
### 2. Dimension



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
HPC252012CF :	2.5 ± 0.2	2.0 ± 0.2	1.20 max	0.85 ref.	0.80 ref.

Units: mm

### 3. Part Numbering



A: Series

B: Dimension

C: Lead Free

D: Inductance

E: Inductance Tolerance

Material

4R7=4.7uH

M=±20% Y=±30%

## 4. Specification

PARTS No	Inductance ( $\mu$ H) $\pm 20\%$	Isat (Typ) A	Irms (Typ) A	DCR (Typ) m $\Omega$
HPC252012CF-1R0Y	1.0 $\pm$ 30%	2.8	2.2	73
HPC252012CF-1R5Y	1.5 $\pm$ 30%	2.2	1.86	100
HPC252012CF-2R2M	2.2	1.8	1.7	120
HPC252012CF-3R3M	3.3	1.3	1.2	220
HPC252012CF-4R7M	4.7	1.1	1.04	290
HPC252012CF-6R8M	6.8	0.94	0.94	370
HPC252012CF-100M	10	0.82	0.84	570

Note:

Isat : Saturation Current (Isat) will cause L0 to drop approximately 30%.

Irms : Heat Rated Current (Irms) will cause the coil temperature rise approximately  $\Delta T$  of 40°C