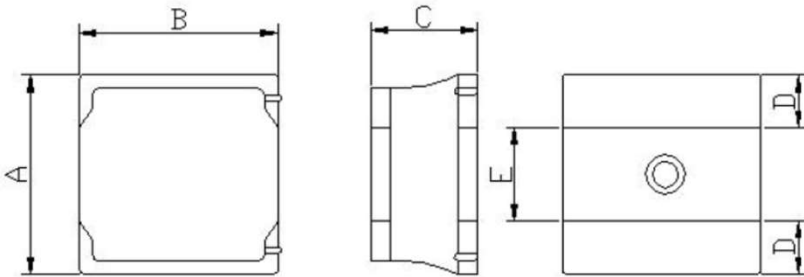


1. Features

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)
TMPF3010TF	3.0±0.2	3.0±0.2	1.0max	1.0 ref.	1.0 ref.

Units: mm

3. Part Numbering

HPC
3010
TF
-
4R7
M

A: Series

B: Dimension

C: Lead Free

D: Inductance

4R7=4.70uH

E: Inductance Tolerance

M=±20%

4. Specification

PARTS No	Inductance (μ H) $\pm 20\%$	Isat (Typ) A	Irms (Typ) A	DCR (Typ) m Ω
HPC3010TF-1R0Y	1.0 $\pm 30\%$	2.2	2.5	55
HPC3010TF-1R5Y	1.5 $\pm 30\%$	2.0	2.2	70
HPC3010TF-2R2M	2.2	1.6	2.1	90
HPC3010TF-3R3M	3.3	1.3	1.7	130
HPC3010TF-4R7M	4.7	1.2	1.5	170
HPC3010TF-6R8M	6.8	0.9	1.3	260
HPC3010TF-100M	10	0.75	1.0	350
HPC3010TF-150M	15	0.65	0.8	510
HPC3010TF-220M	22	0.55	0.75	790

Note:

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

Irms : Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C