High Current Inductors - MXAL6030 Series

Meisongbei



Features

- High current; very low DCR
- Soft saturation makes them
- AEC-Q200 Grade 1 (-40°C to +125°C)

Package

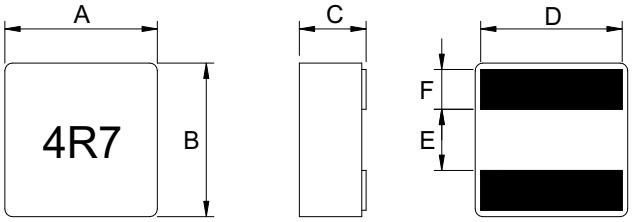
- MXAL6030 - 1000 PCS/Reel

General Specifications

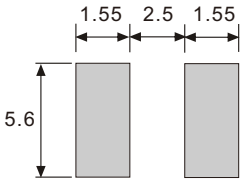
- Inductance tested at 100kHz, 0.1Vrms
- Isat: Inductance 30% drop max at DC current.
- Irms: Current that cause 40°C rise from 25°C

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Dimensions & Configurations (Unit:mm)



Recommended Layout



Type	A (±0.2)	B (±0.2)	C (Max.)	D (±0.3)	E (±0.3)	F (±0.3)
MXAL6030	6.6	6.4	3.1	5.3	2.6	1.4

Electrical Characteristics For MXAL6030 Series

Part Number	Inductance (μH) ±20%	DCR (mΩ) Max.	Isat (A) Max.	Irms (A) Typ.
MXAL6030-R18M	0.18	1.75	36	32
MXAL6030-R33M	0.33	2.5	28	25
MXAL6030-R56M	0.56	3.31	25	22
MXAL6030-R68M	0.68	5.17	21	20
MXAL6030-1R0M	1	6.05	18	18
MXAL6030-1R2M	1.2	7.4	16	16
MXAL6030-1R5M	1.5	9.13	15.5	15
MXAL6030-1R8M	1.8	10.2	13	14
MXAL6030-2R2M	2.2	12.2	11	10
MXAL6030-3R3M	3.3	20.8	9	8
MXAL6030-4R5M	4.5	25.3	8	7