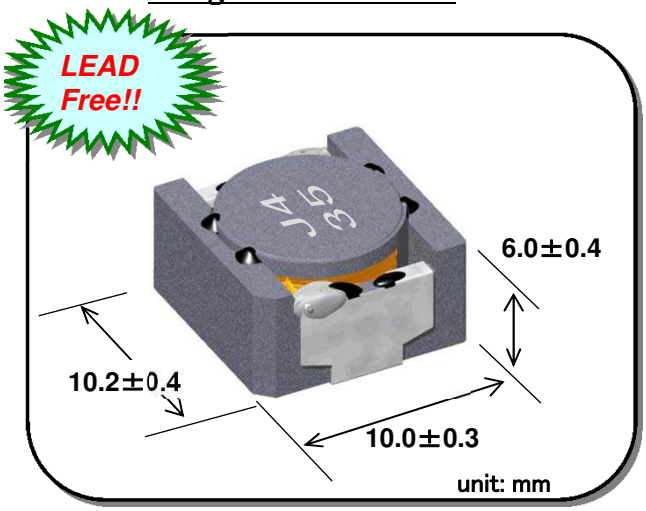
Standard Products !!

RLF10160-D TYPE

Automotive Target
SMD Power Inductor

Component Image & Dimension



Features :

a) Miniature Size :
Mount Area : 10.2mm square
Low Profile : 6.4mm Max. Height

b) Tough Design
Generic use for Automotive Appliance.
Heat and vibration, mechanical shock resistance ability can endure an automobile use.
Operation temperature ; -40ºC ~ +150ºC
(Including self-temperature rise)
Storage temperature ; -40ºC ~ +150ºC

c) High Magnetic Shield Construction should actualize High Resolution for EMC Protection.

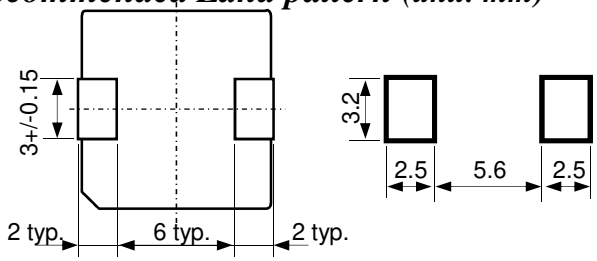
d) Automatic Mounting in Tape & Reel Package.

e) Qualified acc. AEC-Q200.

Applications :

for Automotive electric control devices
and high temperature operation devices
Automotive Appliance (ECM, HID, SRS Air Bag, Transmission control, Power steering control, Brake control, etc)

Recommended Land pattern (unit: mm)



Electrical Specification

TDK Identification	Inductance (uH)		Test Freq. (kHz)	DC Resistance (Ohm.)		Rated DC Current Idc 1 (A max.)	Idc 2 (A Typ.)
RLF10160T- 100M2R8-D	10	+/-20%	100	31m	+/-20%	5.0	2.8
RLF10160T- 150M2R5-D	15	+/-20%	100	39m	+/-20%	4.4	2.5
RLF10160T- 220M2R0-D	22	+/-20%	100	55m	+/-20%	3.6	2.0
RLF10160T- 330M1R8-D	33	+/-20%	100	66m	+/-20%	2.8	1.8
RLF10160T- 470M1R5-D	47	+/-20%	100	93m	+/-20%	2.4	1.5
RLF10160T- 680M1R2-D	68	+/-20%	100	121m	+/-20%	1.9	1.2
RLF10160T- 101M1R1-D	100	+/-20%	100	195m	+/-20%	1.7	1.1
RLF10160T- 151MR90-D	150	+/-20%	100	277m	+/-20%	1.3	0.9
RLF10160T- 221MR70-D	220	+/-20%	100	409m	+/-20%	1.0	0.7

Note. Idc 1 : Depend on the Inductance Saturation. (-30% Saturation from Nominal L Value, Ta= 20degC)
Idc 2 : Depend on the self temperature rise. (ΔT=20degC, Ta=20degC)