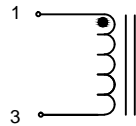


LDZ28176R8K-10

PHYSICAL DIMENSIONS:

A	27.00	±	0.50
B	23.00		MAX.
C	17.00		MAX.
D	3.50	±	0.30
E	10.50	±	0.50
F	7.10	±	0.50
G	3.81	±	0.30
H	0.80	±	0.15

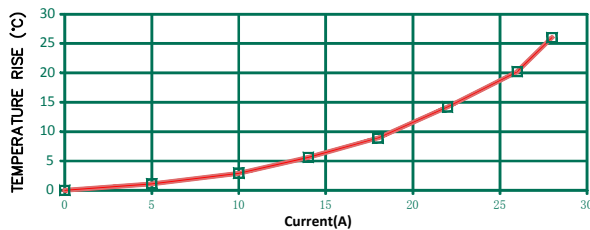
SCHEMATIC



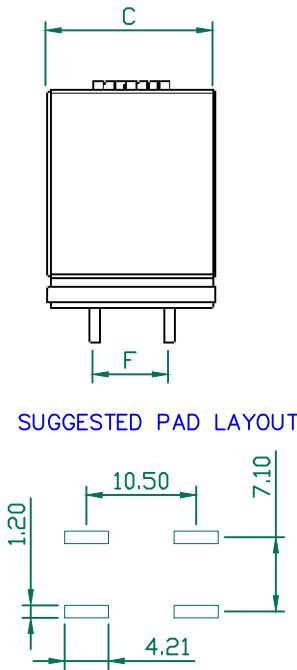
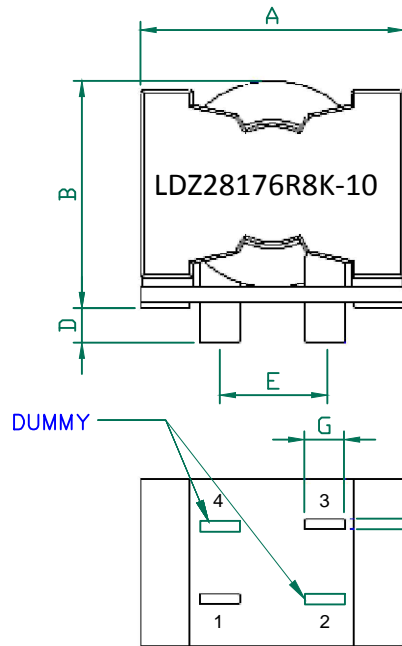
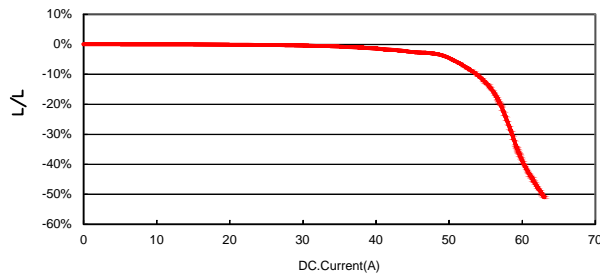
ELECTRICAL SPECIFICATION @ 25°C

ELECTRICAL CHARACTERISTICS		MIN	NOM	MAX
INDUCTANCE L @ 300 KHz/0.1V ±10%	uH	6.12	6.80	7.48
DCR	Ω	---	0.0026	0.003
I SAT(A)	A	---	---	56
I RMS(A)	A	---	---	26

Temp Vs Current



Current vs inductance



NOTES: UNLESS OTHERWISE SPECIFIED

1. OPERATION TEMPERATURE RANGE: -40°C~+125°C(INCLUDING SELF-HEATING).
2. STORAGE TEMPERATURE RANGE: -40°C~+125°C .
3. THE SATURATION CURRENT VALUE (Isat) IS THE DC CURRENT VALUE HAVING INDUCTANCE DORP OFF 30% MAX. (AT 25°C)
4. THE TEMPERATURE RISE CURRENT VALUE (Irms) IS THE DC CURRENT VALUE HAVING TEMPERATURE INCREASE ΔT40°C. (AT 25°C)



REV		DESCRIPTION	DATE	INT	PROJECT/PART NUMBER:		REV	PART TYPE:	DRAWN BY:
A		ORIGINAL DRAFT	06/24/16	QIU	LDZ28176R8K-10		A		QIU
DIMENSIONS ARE IN mm (INCHES). This print is the property of Laird Tech. and is loaned in confidence subject to return upon request and with the understanding that no copies shall be made without the written consent of Laird Tech. All rights to design or invention are reserved.					DATE: 06/24/16 SCALE: NTS SHEET: 1 of 1				
PROJECT/PART NUMBER: LDZ28176R8K-10					DATE: 06/24/16		SCALE: NTS		
REV DESCRIPTION					CAD # LDZ28176R8K-10-A		SHEET: 1 of 1		