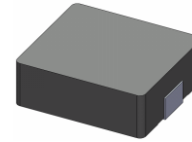


Molding SMD Power Inductors

Features

- Metal compound molding type construction.
- Magnetically shielded.
- Low audible core noise.
- Suitable for large current.
- Frequency range up to 1.0 MHz.
- RoHS Compliant.
- Halogen Free available.



Applications

- Ideally used in notebook, ultrabook, tablet PC, LCD display, Server application.
- High current, POL converters.
- Low profile, high current power supplies.
- Battery powered devices.
- DC/DC converters in distributed power systems.

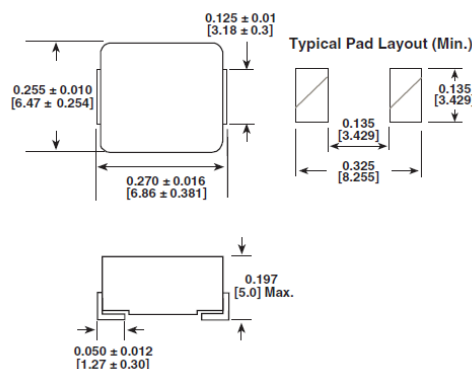
Environmental Data

- Operating temperature range: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
(including coil's Self temperature rise)
- Storage temperature range: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- Solder reflow temperature: 260°C Peak

Environmental Data

- Carrier tape and reel packaging.
- 1500pcs/Reel.

DIMENSIONS in inches (millimeters)



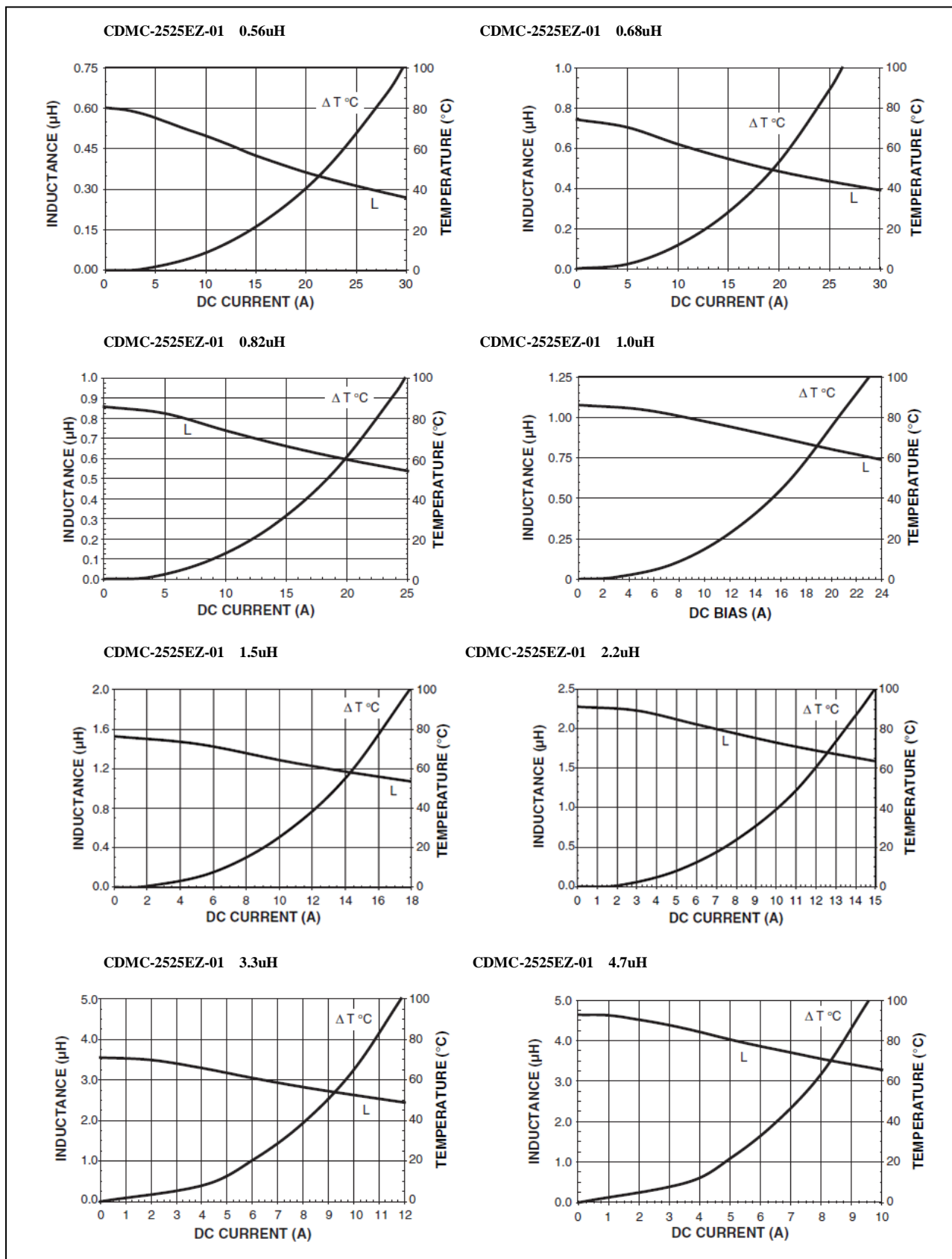
CDMC-2525EZ-01 Series Specification

Part Number	Inductance	Tolerance	Test Freq.	DCR Typ.	DCR Max.	Heat Rating Current DC	Saturation Current DC
	μH	%	kHz	$\text{m}\Omega$	$\text{m}\Omega$	A(Typ.)	A(Typ.)
CDMC2525EZERR56M01	0.56	± 20	100	3.4	3.6	20	12
CDMC2525EZERR68M01	0.68	± 20	100	4.2	4.5	18	11.5
CDMC2525EZERR82M01	0.82	± 20	100	4.6	4.9	16.5	13
CDMC2525EZER1R0M01	1.0	± 20	100	5.6	6.5	13	15
CDMC2525EZER1R5M01	1.5	± 20	100	8.6	9.0	12	12
CDMC2525EZER2R2M01	2.2	± 20	100	13	13.6	10	10
CDMC2525EZER3R3M01	3.3	± 20	100	19.9	20.9	8.0	8.0
CDMC2525EZER4R7M01	4.7	± 20	100	28.9	30.3	6.5	7.0
CDMC2525EZER5R6M01	5.6	± 20	100	32.7	34.4	6.0	7.0
CDMC2525EZER6R8M01	6.8	± 20	100	42.5	44.6	5.5	5.5
CDMC2525EZER8R2M01	8.2	± 20	100	48.3	50.7	5.0	5.0
CDMC2525EZER100M01	10	± 20	100	67.9	71.3	4.5	4.5
CDMC2525EZER220M01	22	± 20	100	112	123	4.0	4.0

NOTE :

- The operating temperature range is -40°C to $+125^{\circ}\text{C}$ (Including self-temperature rise)
- Tolerance M : $\pm 20\%$, N : $\pm 25\%$, Y : $\pm 30\%$
- Isat:For Inductance drop 20% from its value without current.
- Irms:The value of D.C current when the temperature rise is $\Delta T \leq 40^{\circ}\text{C}$.($T_a=25^{\circ}\text{C}$)

PERFORMANCE GRAPHS



PERFORMANCE GRAPHS

