

Semi-Shielded SMD Power Inductors



FEATURES

- 5.0 mm x 5.0 mm x 2.0 mm max. SMD package
- Semi-shielded ferrite construction
- Low profile, compact, efficient design
- Material categorization:
for definitions of compliance please see
www.vishay.com/doc?99912



RoHS
COMPLIANT
HALOGEN
FREE
GREEN
(5-2008)

APPLICATIONS

- DC/DC power supplies
- Noise suppression and filtering
- Portable and hand held devices
- HDD and SSD storage

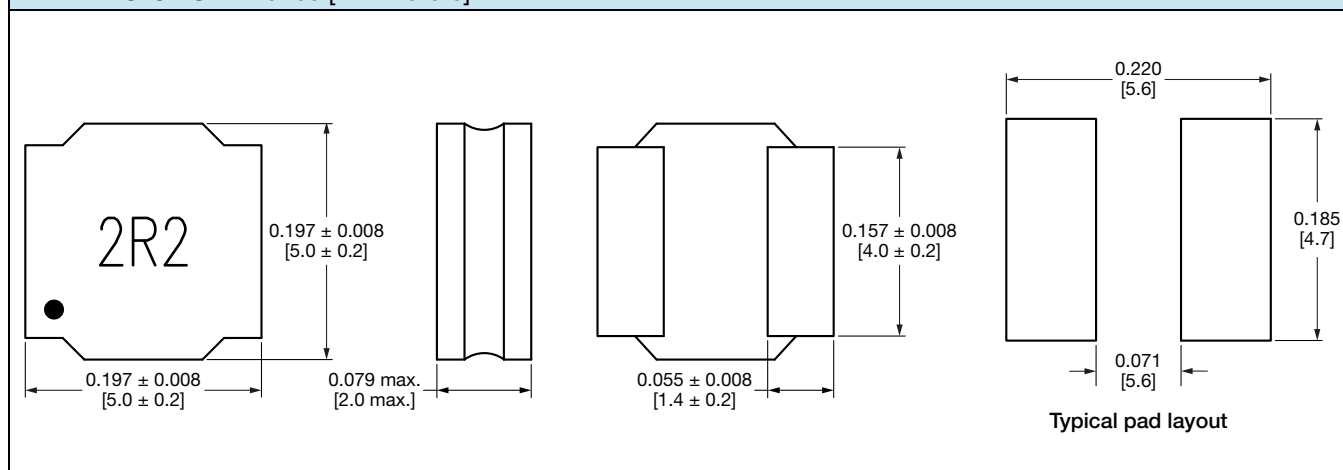
STANDARD ELECTRICAL SPECIFICATIONS

PART NUMBER	L ₀ INDUCTANCE (μH)	INDUCTANCE TOLERANCE (%)	DCR TYP. 25 °C (mΩ)	DCR MAX. 25 °C (mΩ)	HEAT RATING CURRENT DC TYP. I _{DC} (A) ⁽¹⁾	SATURATION CURRENT DC TYP. I _{SAT} (A) ⁽²⁾	SRF MIN. (MHz)
IFSC2020BZER2R2M01	2.2	20.0	30	36	2.6	4.5	55
IFSC2020BZER100M01	10	20.0	106	127	1.2	2	25

Notes

- All test data is referenced to 25 °C ambient
- Test condition: 1 MHz, 1 V
- Operating temperature range -40 °C to +125 °C
- (1) DC current (A) that will cause an approximate ΔT of 40 °C
- (2) DC current (A) that will cause L₀ to drop approximately 30 %

DIMENSIONS in inches [millimeters]





DESCRIPTION

IFSC-2020BZ-01	2.2 μH	$\pm 30\%$	ER	e3
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

I F S C	2 0 2 0 B Z	E R	2 R 2	M	0 1
PRODUCT FAMILY	SIZE	PACKAGE CODE	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	SERIES
		ER = tape and reel	2R2 = 2.2 μ H	M = $\pm 20\%$ N = $\pm 30\%$	



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