IFSC-2020BZ-01

Vishay Dale

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

APPLICATIONS

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

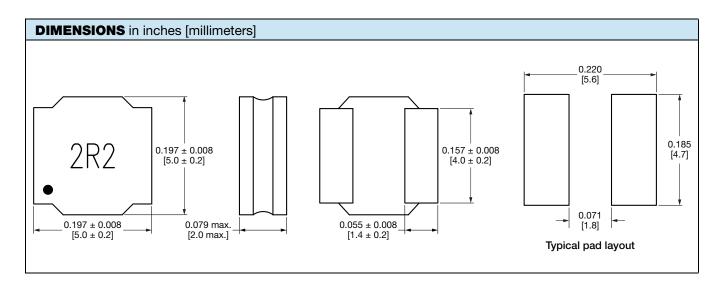
STANDARD ELEC	TRICAL SPE	CIFICATION	IS				
PART NUMBER	L₀ INDUCTANCE (µH)	INDUCTANCE TOLERANCE (%)	DCR TYP. 25 °C (mΩ)	DCR MAX. 25 °C (mΩ)	HEAT RATING CURRENT DC TYP. I _{DC} (A) ⁽¹⁾	SATURATION CURRENT DC TYP. I _{SAT} (A) ⁽²⁾	SRF MIN. (MHz)
IFSC2020BZER2R2M01	2.2	20.0	30	36	2.6	4.5	55
IFSC2020BZER100M01	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 %





RoHS COMPLIANT HALOGEN FREE GREEN (5-2008)



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DESCRIPTION	

	<u> </u>				
IFSC-2020BZ-01	2.2 µH	± 30 %	ER	e3	
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC [®] LEAD (Pb)-FREE STANDARD	

)BA	L PA	RT	NUME	BER													
I	F	S	С	2	0	2	0	В	Z	E	R	2	R	2	M	0	1
PRODUCT FAMILY		IILY			SI	ZE			PACK CO			UCTAN VALUE	-	INDUCTANC	-	RIES	
										ER tape ar		2R2	2 = 2.2	μH	M = ± 20 % N = ± 30 %		



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