

Wireless Charging Receive Coil / Shield



FEATURES

- Specialized shield coating offers superior environmental protection and moisture resistance in high humidity conditions up to 90 % RH
- Operating temperature: -40 °C to +105 °C
- Iron alloy shield achieves high saturation current rating
- Self-bonded, enameled copper winding
- Qi standard compliant
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT
HALOGEN
FREE
GREEN
(5-2008)

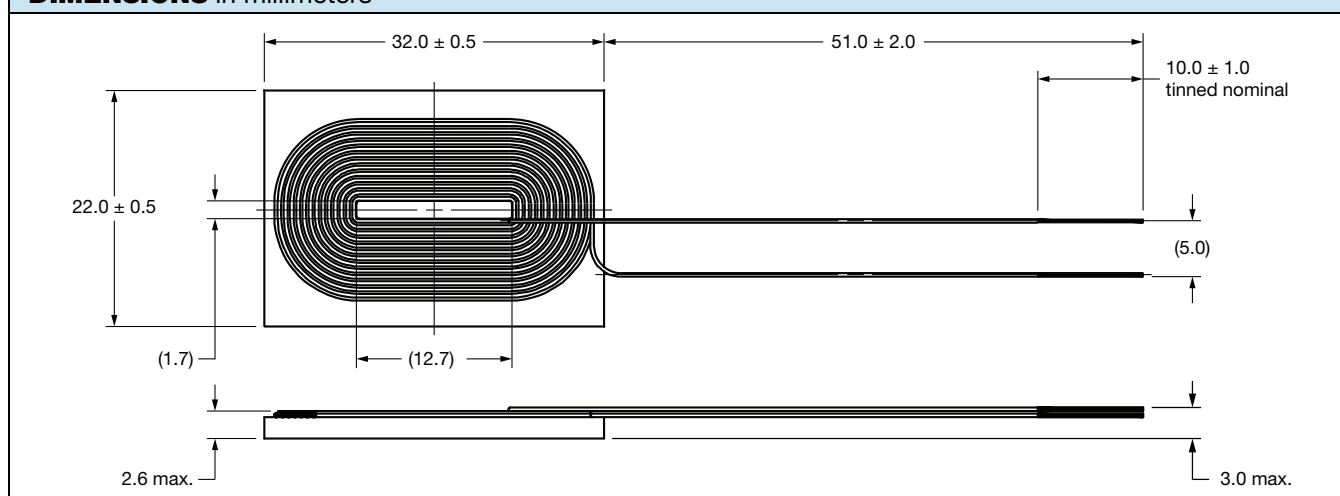
STANDARD ELECTRICAL SPECIFICATIONS With Test Coil

L_0 INDUCTANCE $\pm 5\%$ AT 200 kHz, 0.25 V, 0 A (μH)	Q AT 200 kHz TYP.	DCR $\pm 5\%$ AT 25 °C (m Ω)	HEAT RATING CURRENT DC $I_{\text{RMS MAX.}}^{(1)}$ (A)	SATURATION CURRENT DC $I_{\text{SAT MAX.}}^{(2)}$ (A)
19.6	28.5	357	1.2	2.4

Notes

- Storage condition: -40 °C to +105 °C (on board); less than 40 °C and < 60 % RH (in component packaging)
- (1) DC current (A) that will cause an approximate ΔT of 40 °C
- (2) DC current (A) that will cause L_0 to drop approximately 10 %

DIMENSIONS in millimeters



DESCRIPTION

IWAS-3222CZ-R1	19.6 μH	5 %	EB	e3
MODEL	INDUCTANCE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

I	W	A	S	3	2	2	2	C	Z	E	B	1	9	0	J	R	1
MODEL				SHIELD SIZE				SHIELD THICKNESS		LEAD (Pb)-FREE	PACKAGE	INDUCTANCE VALUE			TOL.	MATERIAL	LEAD CONFIG.



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