

02-533F Series From 1.2μH to 22μH



CHARACTERISTICS

Description: SMD power inductors sealed with magnetic resin.

Applications: Smart phones, DSC, Tablet PC's, DC/DC converters, etc.

Operating Temperature: -55°C to +125°C (including self - temperature rise)

Inductance Tolerance: ±20%, ±30%

Testing: Inductance is tested on an HP4285A at 100kHz, 1V

Packaging: Tape & Reel.

Marking: Parts are marked with inductance code.

Miscellaneous: **RoHS Compliant.**

Additional Information: Additional electrical & physical information available upon request.

Samples available. See website for ordering information.

SPECIFICATIONS

Please specify inductance tolerance code when ordering.

02-533F-1R2 ← M = ±20%, N = ±30%

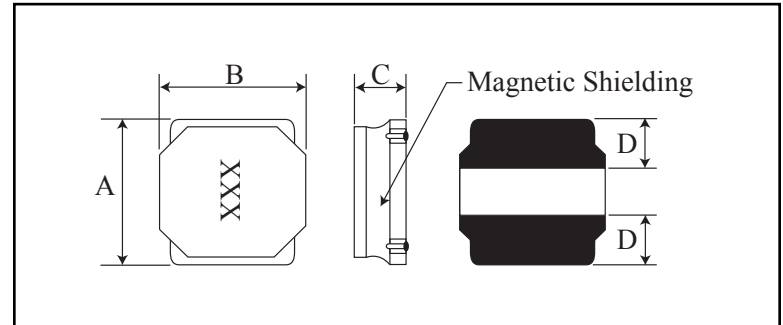
*Isat: For inductance drop 30% from its value without current.

**Irms: For a 40°C rise above 25°C ambient.

Part Number	Inductance (μH)	Test Freq. (kHz)	DCR ±30% (mΩ)	*Isat Typ.(Max.) (A)	**Irms Typ.(Max.) (A)	Marking
02-533F-1R2_	1.2	100kHz, 1V	30	3.50(3.15)	3.30(2.97)	1R2
02-533F-3R3_	3.3	100kHz, 1V	45	2.50(2.25)	2.50(2.25)	3R3
02-533F-4R7_	4.7	100kHz, 1V	60	1.80(1.62)	1.80(1.62)	4R7
02-533F-220_	22	100kHz, 1V	230	0.86(0.77)	1.00(0.90)	220

PHYSICAL DIMENSIONS

Size	A	B	C	D Typ.
mm	4.0±0.2	4.0±0.2	2.6±0.2	1.4
inches	0.16±0.008	0.16±0.008	0.10±0.008	0.055



PAD LAYOUT

Unit: mm

