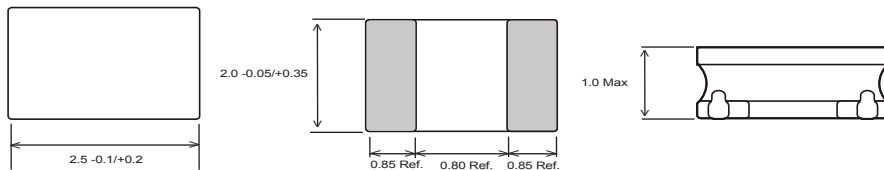




Unit: mm



Allied Part Number	Inductance (μH)	Tolerance (%)	Test Freq. (MHz)	DCR (Ω) Typ.	DCR (Ω) Max	Isat (A) Typ.	Isat (A) Max	Irms (A) Typ.	Irms (A) Typ.
PCDF24-R24M-RC	.24	20	1, 0.1V	.030	.042	4.30	4.80	3.10	3.60
PCDF24-R33M-RC	.33	20	1, 0.1V	.032	.044	3.80	4.30	3.00	3.50
PCDF24-R47M-RC	.47	20	1, 0.1V	.034	.046	3.30	4.00	2.90	3.40
PCDF24-R56M-RC	.56	20	1, 0.1V	.045	.054	3.00	3.80	2.80	3.30
PCDF24-R68M-RC	.68	20	1, 0.1V	.046	.055	2.90	3.70	2.80	3.30
PCDF24-1R0M-RC	1.0	20	1, 0.1V	.060	.080	2.70	3.40	2.20	2.60
PCDF24-1R2M-RC	1.2	20	1, 0.1V	.090	.108	2.30	2.90	1.90	2.30
PCDF24-1R5M-RC	1.5	20	1, 0.1V	.090	.108	2.10	2.70	1.90	2.30
PCDF24-2R2M-RC	2.2	20	1, 0.1V	.130	.169	1.90	2.40	1.50	1.80

All specifications subject to change without notice.
See Page 2 for Performance Graphs.

Features

- SMD Shielded Inductor
- Low Profile
- For Power Circuits
- Lead (Pb) and Halogen-Free

Electrical

Inductance Range: .24μH to 2.2μH

Tolerance: 20% over entire range

Operating Temp: -40°C to +125°C

Isat: The Current at which the Inductance will drop by no more than 30% of its initial value w/o current

Irms: The Current at which the Temperature will rise by no more than 40°C. from ambient

Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 260°C ±5°C for 10 sec ± 1 sec.

Test Equipment

(L): HP4284A LCR Meter

(RDC): Chen Hwa CH16502A

(IDC): HP4284A with HP42841A or
Chen Hwa 1061 + Chen Hwa 301A

Physical

Packaging: 2000 pieces per 13 inch Reel

Marking: None



Performance Graphs

PCDF24-RC

