**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

---

### 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) Max.
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
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 | .080 | .108 | 2.30 | 2.90 | 1.90 | 2.30
PCDF24-1R5M-RC | 1.5 | 20 | 1, 0.1V | .080 | .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.
Performance Graphs

PCDF24-RC

PCDF24-R24M-RC

PCDF24-R33M-RC

PCDF24-R47M-RC

PCDF24-R68M-RC

PCDF24-1R0M-RC

PCDF24-R24M-RC

PCDF24-1R5M-RC

PCDF24-R33M-RC

PCDF24-R56M-RC

PCDF24-1R2M-RC

PCDF24-2R2M-RC

PCDF24-2R2M-RC