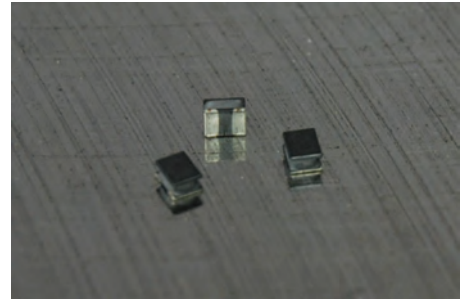
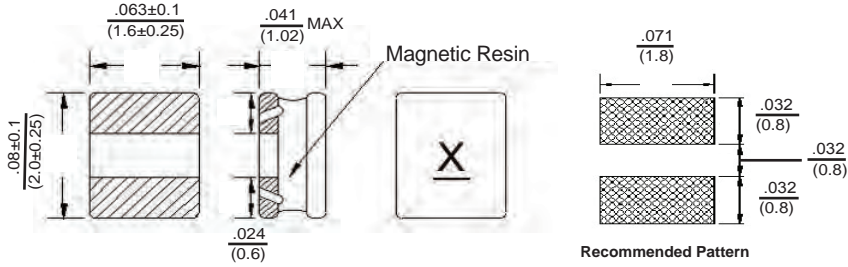




SMD SEMI SHIELDED POWER CHIP INDUCTOR

PCCV20

Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



| Allied Part Number | Inductance (μh) | Tolerance (%) | Test Freq. MHz, 200mV | RDC (Ω) ±30% | Isat (A) (Max) | Irms (A) (Max) | Marking |
|--------------------|-----------------|---------------|-----------------------|--------------|----------------|----------------|---------|
| PCCV20-1R0M-RC | 1.0 | 20 | 1 | 95 | 1.488 | 1.488 | B |
| PCCV20-1R5M-RC | 1.5 | 20 | 1 | 140 | 1.312 | 1.320 | C |
| PCCV20-2R2M-RC | 2.2 | 20 | 1 | 190 | 1.040 | 1.040 | D |
| PCCV20-3R3M-RC | 3.3 | 20 | 1 | 295 | 0.768 | 0.784 | E |
| PCCV20-4R7M-RC | 4.7 | 20 | 1 | 360 | 0.672 | 0.720 | F |
| PCCV20-6R8M-RC | 6.8 | 20 | 1 | 640 | 0.528 | 0.560 | G |
| PCCV20-100M-RC | 10 | 20 | 1 | 1000 | 0.432 | 0.448 | H |
| PCCV20-220M-RC | 22 | 20 | 1 | 1700 | 0.304 | 0.320 | I |

All specifications subject to change without notice.

Features

- Semi Magnetically Shielded
- High Current
- Low Magnetic Radiation
- Ultra Low Profile only 1.02mm

Electrical

Inductance Range: 1.0μh ~ 22μh (other values being added)

Tolerance: Available in 20%

Operating Temp: -40°C ~ +125°C

Isat: Current at which the Inductance will drop by no more than 30% of its initial value.

Irms: Based on a temp rise of ΔT = 40°C typical above Ambient Temp.

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

Test Equipment

(L): HP4287A + HP16197A

(RDC): Chroma MilliOhm Meter 16502

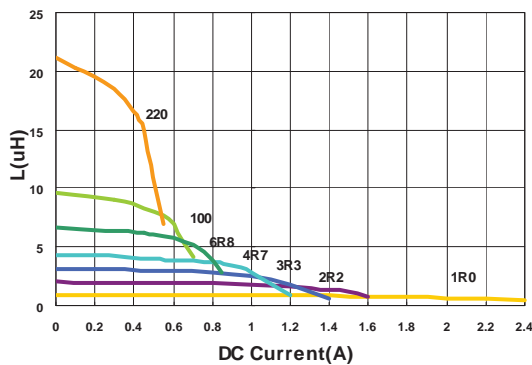
Current: HP4284A + HP42841A

Physical

Packaging: 2K per Tape and reel

Marking: As noted

Inductance vs. DC Current



Temperature Change vs. DC Current

