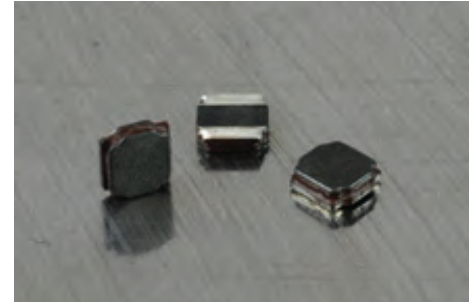
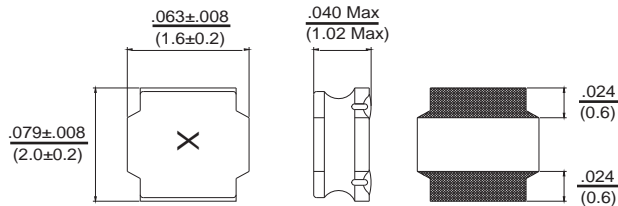




## SMD SHIELDED POWER CHIP INDUCTOR

PCSV20

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


Allied Part Number	Inductance ( $\mu\text{h}$ )	Tolerance (%)	Test Freq. MHz, 200mV	RDC ( $\Omega$ ) $\pm 30\%$	Isat (mA) Typ.	Irms (mA) Typ.	Marking
PCSV20-1R0M-RC	1.0	20	1	0.17	1400	1600	A
PCSV20-1R5M-RC	1.5	20	1	0.26	1100	1400	B
PCSV20-2R2M-RC	2.2	20	1	0.32	1000	1200	C
PCSV20-3R3M-RC	3.3	20	1	0.51	820	900	D
PCSV20-4R7M-RC	4.7	20	1	0.67	680	800	E
PCSV20-5R6M-RC	5.6	20	1	0.72	650	800	F
PCSV20-6R8M-RC	6.8	20	1	0.97	560	700	G
PCSV20-100M-RC	10	20	1	1.45	470	580	H
PCSV20-220M-RC	22	20	1	2.90	310	400	I

All specifications subject to change without notice.

### Features

- Magnetically Shielded Construction
- Ultra Low Profile

### Electrical

**Inductance Range:** 1.0 $\mu\text{h}$  ~ 22 $\mu\text{h}$  (other values being added)

**Tolerance:** Available in 20%

**Operating Temp:** -25°C ~ +105°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  $\Delta T = 40^\circ\text{C}$  typical at 25°C 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

### Test Equipment

(L): HP4287A + HP16197A

(RDC): Chroma MilliOhm Meter 16502

Current: HP4284A + HP42841A

### Physical

**Packaging:** 2K per Tape and reel

**Marking:** As noted