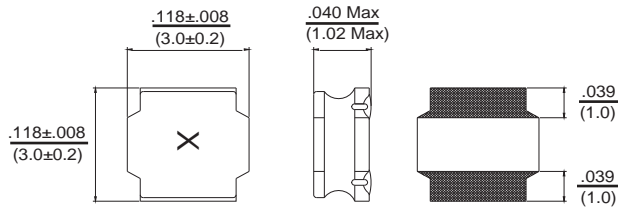




SMD SHIELDED POWER CHIP INDUCTOR

PCSV30

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



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. MHz, 200mV	RDC (Ω) ±30%	Isat (mA) Typ.	Irms (mA) Typ.	Marking
PCSV30-1R0M-RC	1.0	20	1	0.063	1300	2400	A
PCSV30-1R5M-RC	1.5	20	1	0.077	1100	2200	B
PCSV30-2R2M-RC	2.2	20	1	0.087	960	2000	C
PCSV30-3R3M-RC	3.3	20	1	0.127	780	1600	D
PCSV30-4R7M-RC	4.7	20	1	0.186	650	1300	E
PCSV30-6R8M-RC	6.8	20	1	0.253	560	1000	G
PCSV30-100M-RC	10	20	1	0.353	430	880	H
PCSV30-220M-RC	22	20	1	0.693	310	580	I

All specifications subject to change without notice.

Features

- Magnetically Shielded Construction
- Ultra Low Profile

Electrical

Inductance Range: 1.0μh ~ 22μh (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 ΔT = 40°C typical.

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