

# Power Inductor *CPN5120* Series

## PART NUMBERING GUIDE

<b>CPN5120-1R0 M TR</b>	
INDUCTANCE CODE _____	PACKAGING OPTIONS
TOLERANCE _____	Blank=Bulk, TR= Tape and Reel (500pcs per reel)
M=20%	

## GENERAL SPECIFICATIONS

Inductance Range	1.0 $\mu$ H to 1000 $\mu$ H
Tolerance	20%
Operating Temperature	-40°C to +85°C

## SPECIFICATIONS BY INDUCTANCE VALUE

Inductance Code	Inductance ( $\mu$ H)	DCR (Ohms MAX)	Test Frequency	Isat (Amps MAX)	Irms (Amps MAX)
1R0	1.0	0.009	100kHz	9.0	6.80
1R5	1.5	0.010	100kHz	8.0	6.40
2R2	2.2	0.012	100kHz	7.0	6.10
3R3	3.3	0.015	100kHz	6.4	5.40
4R7	4.7	0.018	100kHz	5.4	4.80
6R8	6.8	0.022	100kHz	4.6	4.40
100	10	0.038	100kHz	3.8	3.90
150	15	0.046	100kHz	3.0	3.10
220	22	0.058	100kHz	2.6	2.70
330	33	0.101	100kHz	2.0	2.10
470	47	0.140	100kHz	1.6	1.80
560	56	0.162	100kHz	1.5	1.70
680	68	0.184	100kHz	1.4	1.50
101	100	0.280	100kHz	1.2	1.30
151	150	0.400	100kHz	1.0	1.00
221	220	0.610	100kHz	0.8	0.80
331	330	0.932	100kHz	0.6	0.60
471	470	1.270	100kHz	0.5	0.50
681	680	1.840	100kHz	0.4	0.40
102	1000	3.000	100kHz	0.3	0.30

## MECHANICAL DIMENSIONS

