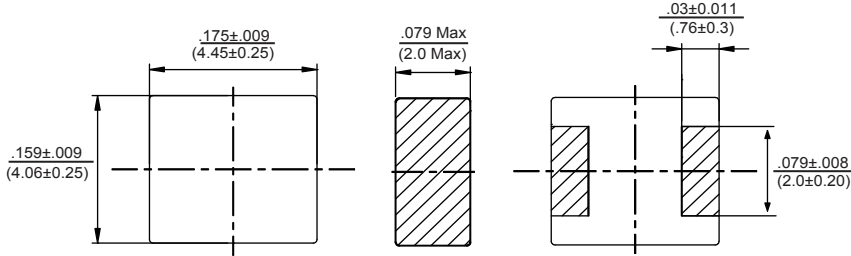




SMD High Current Shielded Choke PCHC420Z2

Dimensions: Inches
(mm)



Allied Part Number	Inductance LO (μH) ±20%@0 A	DCR (mΩ) @25°C		Irms (A)		Isat (A)	
		Typ	Max	Typ	Max	Typ	Max
PCHC420Z2-R10N-RC	0.10±30%	3.2	4.0	12.0	10.0	35.0	30.0
PCHC420Z2-R18N-RC	0.18±30%	4.6	5.4	13.5	11.0	28.0	25.0
PCHC420Z2-R22N-RC	0.22±30%	6.6	7.3	13.0	11.0	24.0	21.0
PCHC420Z2-R33M-RC	0.33	7.8	8.6	10.0	9.00	18.0	16.0
PCHC420Z2-R47M-RC	0.47	11.2	14	8.00	7.00	12.0	11.0
PCHC420Z2-R56M-RC	0.56	13.5	16	7.30	6.50	10.0	9.00
PCHC420Z2-R68M-RC	0.68	16	19	7.00	6.30	10.0	9.00
PCHC420Z2-1R0M-RC	1.00	22	27	5.00	4.40	8.50	7.50
PCHC420Z2-1R2M-RC	1.20	25	30	4.80	4.20	7.80	7.00
PCHC420Z2-1R5M-RC	1.50	34.8	42	4.50	4.00	7.00	6.20
PCHC420Z2-2R2M-RC	2.20	51	61	4.00	3.50	6.00	5.40
PCHC420Z2-3R3M-RC	3.30	69	76	3.50	3.00	4.00	3.60
PCHC420Z2-4R7M-RC	4.70	95	105	2.60	2.20	3.50	3.20
PCHC420Z2-5R6M-RC	5.60	112	125	2.20	2.00	3.00	2.70
PCHC420Z2-6R8M-RC	6.80	150	172	2.10	1.80	2.80	2.50
PCHC420Z2-8R2M-RC	8.20	158	180	2.00	1.60	2.50	2.20
PCHC420Z2-100M-RC	10.0	215	243	1.80	1.40	2.30	2.00
PCHC420Z2-150M-RC	15.0	325	374	1.50	1.20	1.90	1.70
PCHC420Z2-220M-RC	22.0	470	500	1.20	1.00	1.40	1.20

Features

- Magnetically shielded construction
- Ultra High saturation current 35A
- Ultra low buzz due to unibody construction
- Low DC Resistance

Electrical

Inductance Range: 0.10μH to 22μH
Tolerance: Available in 20% and 30% as noted
Test Frequency: 100KHz, 1V
Operating Temp Range: -55°C to +125°C
Temp. Rise: Δ =40°C Typical at rated Irms without core loss.
 Part temperature (ambient + temp rise) should not exceed 125°C
 Inductance drop: 30% typical at rated Isat

Resistance to Soldering Heat

Pre-Heat: 150°C, 60 sec
Solder Composition: Sn96.5%/Ag3.0%/Cu0.5%
Solder Temp: 260°C ± 5°C
Immersion Time: 10 sec. ± 1 sec.

Test Equipment

(L): HP 4284A LCR meter or equivalent
DCR: Agilent 33420A Micro Ohmmeter

Physical

Packaging: 3000 pieces per 13 inch reel.

All specifications subject to change without notice.

