■Bobbin Core High Current Power Inductors PCV Series
(線軸形鐵芯大電流功率電感------PCV 系列)

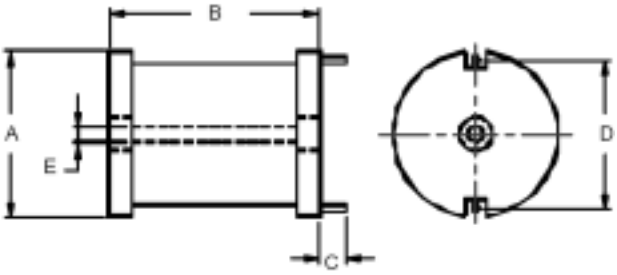
●Features(特徵):

1, PCV Series is available in 120 standard values covering a wide range of inductance and current.
PCV系列可根椐L值及IDC不同分為１２０種標準品
2, The use of high saturation flux density material makes these coils ideal for use in switching regulated power supply application and wherever high current choke values in a small physical size are needed
使用高飽合磁通密度材質的線圈適用於開關穩壓電流體積小,高電流之線圈是開關穩壓電流所必需的.

●Applications(應用):

Excellent for power line DC-DC conversion applications used in car stereos and other electronic equipment.
適合於汽車音響和其他電子設備中電源線路上直流對直流整流的應用。

●Shape & Dimensions(外觀呎吋):



Item	A (Max)	B (Max)	C (±2.0)	D Typ.	E Typ.
PCV1420	17.0	22.0	10.0	12.0	3.0
PCV1920	22.0	22.0	10.0	15.0	3.9
PCV2420	28.0	22.0	10.0	22.0	4.8

Unit: mm

●Specification(規格):

◆PCV1420 Series:

Part Number	Inductance (μH)	Tolerance	Rated Current (Amp)	DC Resistance (mΩ) Max
PCV1420-1R0M-9R0	1.0	±20%	9.0	3
PCV1420-1R5M-9R0	1.5	±20%	9.0	4
PCV1420-2R2M-9R0	2.2	±20%	9.0	5
PCV1420-3R3M-9R0	3.3	±20%	9.0	6
PCV1420-4R7M-9R0	4.7	±20%	9.0	7
PCV1420-6R8M-9R0	6.8	±20%	9.0	8
PCV1420-100M-9R0	10	±20%	9.0	10
PCV1420-150K-7R2	15	±10%	7.2	15
PCV1420-220K-5R5	22	±10%	5.5	25
PCV1420-330K-4R0	33	±10%	4.0	40
PCV1420-470K-2R8	47	±10%	2.8	62
PCV1420-680K-2R8	68	±10%	2.8	77
PCV1420-101K-2R8	100	±10%	2.8	95
PCV1420-151K-1R6	150	±10%	1.6	181
PCV1420-221K-1R6	220	±10%	1.6	240
PCV1420-331K-1R3	330	±10%	1.3	336
PCV1420-471K-R80	470	±10%	0.8	636

Test Equipment:
Inductance: 1.0KHz/1.0V at HP4284A LCR Meter.
DC Resistance: HP4338B Milliohms Meter.
DC Bias: WK3265B+WK3260B.

◆**PCV1920 Series:**

Part Number	Inductance (μH)	Tolerance	Rated Current (Amp)	DC Resistance (mΩ) Max
PCV1920-1R0M-110	1.0	±20%	11.4	3
PCV1920-1R5M-110	1.5	±20%	11.4	3
PCV1920-2R2M-110	2.2	±20%	11.4	4
PCV1920-3R3M-110	3.3	±20%	11.4	5
PCV1920-4R7M-110	4.7	±20%	11.4	5
PCV1920-6R8M-110	6.8	±20%	11.4	7
PCV1920-100M-110	10	±20%	11.4	9
PCV1920-150K-9R0	15	±10%	9.0	13
PCV1920-220K-7R2	22	±10%	7.2	19
PCV1920-330K-5R5	33	±10%	5.5	29
PCV1920-470K-5R5	47	±10%	5.5	35
PCV1920-680K-4R8	68	±10%	4.8	53
PCV1920-101K-4R0	100	±10%	4.0	80
PCV1920-151K-4R0	150	±10%	4.0	98
PCV1920-221K-2R8	220	±10%	2.8	150
PCV1920-331K-1R6	330	±10%	1.6	305
PCV1920-471K-1R6	470	±10%	1.6	355
PCV1920-681K-1R6	680	±10%	1.6	430

Test Equipment:
Inductance: 1.0KHz/1.0V at HP4284A LCR Meter.
DC Resistance: HP4338B Milliohms Meter.
DC Bias: WK3265B+WK3260B.

◆**PCV2420 Series:**

Part Number	Inductance (μH)	Tolerance	Rated Current (Amp)	DC Resistance (mΩ) Max
PCV2420-1R0M-210	1.0	±20%	21.0	3
PCV2420-1R5M-210	1.5	±20%	21.0	3
PCV2420-2R2M-210	2.2	±20%	21.0	4
PCV2420-3R3M-210	3.3	±20%	21.0	4
PCV2420-4R7M-210	4.7	±20%	21.0	5
PCV2420-6R8M-210	6.8	±20%	21.0	5
PCV2420-100M-170	10	±20%	17.0	6
PCV2420-150K-140	15	±10%	14.0	9
PCV2420-220K-140	22	±10%	14.0	11
PCV2420-330K-140	33	±10%	14.0	17
PCV2420-470K-9R0	47	±10%	9.0	24
PCV2420-680K-9R0	68	±10%	9.0	29
PCV2420-101K-9R0	100	±10%	9.0	34
PCV2420-151K-5R5	150	±10%	5.5	64
PCV2420-221K-5R5	220	±10%	5.5	80
PCV2420-331K-4R5	330	±10%	4.5	122
PCV2420-471K-4R0	470	±10%	4.0	187
PCV2420-681K-2R8	680	±10%	2.8	256
PCV2420-102K-2R0	1000	±10%	2.0	426
PCV2420-152K-2R0	1500	±10%	2.0	518
PCV2420-222K-1R6	2200	±10%	1.6	1020

Test Equipment:
Inductance: 1.0KHz/1.0V at HP4284A LCR Meter.
DC Resistance: HP4338B Milliohms Meter.
DC Bias: WK3265B+WK3260B.