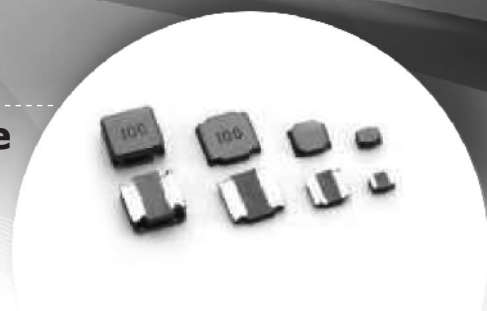


Power Inductor

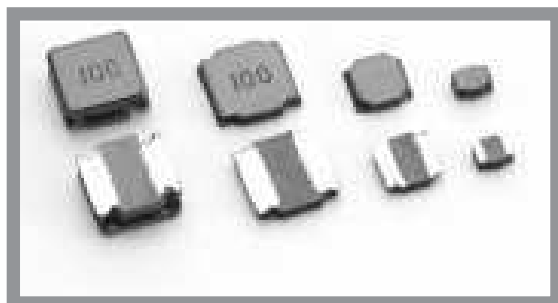
SMD /Shielded Type



BPC series

FEATURES

1. Power supply PWM circuit input / output inductor
2. Power line noise suppression
3. DC-DC Converter
4. To help you go pass CE/FCC standard



APPLICATIONS

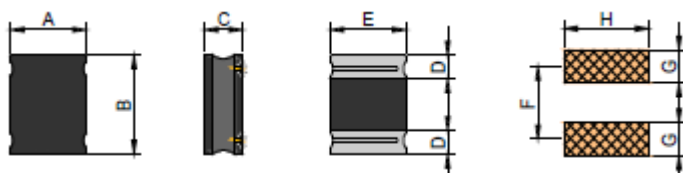
1. TFT/ WiFi/ MobilePhone/ MP3/ PDA....etc.
2. Low profile for all compact designs

PARTNUMBER

BPC	2512	—	R47	M	C	F	V
A	B		C	D	E	F	G

A: PRODUCT FAMILY
 B: SIZE
 C: INDUCTANCE VALUE
 D: TOLERANCE
 E: COATING
 F: Lead Free Code
 G: ID CODE

DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
2512	2.1	2.6	1.2	0.4	2.1	1.7	0.9	2.1
3010	3.1	3.1	1.0	0.9	2.7	1.7	1.0	2.7
3015	3.1	3.1	1.5	0.9	2.7	1.7	1.0	2.7
6012	6.2	6.2	1.2	1.15	5.1	4.7	1.6	5.7
6045	6.2	6.2	4.5	1.15	5.1	4.7	1.6	5.7
8040	8.2	8.2	4.2	1.6	6.3	5.6	1.8	7.5

BPC2512

BW Part Number	Inductance (μ H)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.m Ω	Max.m Ω		
BPC2512-R47MC	0.47	M,N	47	56	3700	2200
BPC2512-1R0MC	1.00	M,N	73	88	2700	1800
BPC2512-1R5MC	1.50	M,N	105	126	2200	1500
BPC2512-2R2MC	2.20	M	129	155	2000	1300
BPC2512-3R3MC	3.30	M	227	272	1600	1000
BPC2512-4R7MC	4.70	M	338	406	1300	810
BPC2512-5R6MC	5.60	M	375	450	1150	720
BPC2512-6R8MC	6.80	M	510	612	1100	660
BPC2512-100MC	10.00	M	630	756	900	590

BPC3010

BW Part Number	Inductance (μ H)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.m Ω	Max.m Ω		
BPC3010-1R0MC	1.00	M,N	65	78	1950	1700
BPC3010-1R2MC	1.20	M,N	80	96	1900	1650
BPC3010-1R5MC	1.50	M,N	80	96	1600	1650
BPC3010-1R8MC	1.80	N	88	105	1520	1520
BPC3010-2R2MC	2.20	M	95	114	1450	1450
BPC3010-3R3MC	3.30	M	160	192	1050	1300
BPC3010-4R7MC	4.70	M	190	228	950	1100
BPC3010-6R8MC	6.80	M	300	360	760	850
BPC3010-100MC	10.00	M	450	540	610	720
BPC3010-150MC	15.00	M	740	888	480	560
BPC3010-220MC	22.00	M	980	1176	420	500
BPC3010-330MC	33.00	M	1550	1860	340	415
BPC3010-470MC	47.00	M	2000	2400	270	320

BPC3015

BW Part Number	Inductance (μ H)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.m Ω	Max.m Ω		
BPC3015-1R0MC	1.00	M,N	40	48	2350	2350
BPC3015-1R5MC	1.50	M,N	55	66	2000	2100
BPC3015-1R8MC	1.80	N	60	72	1830	1950
BPC3015-2R2MC	2.20	M	60	72	1650	1800
BPC3015-3R3MC	3.30	M	93	112	1400	1600
BPC3015-4R7MC	4.70	M	113	136	1200	1400
BPC3015-6R8MC	6.80	M	176	211	1050	1100
BPC3015-100MC	10.00	M	234	276	880	1000
BPC3015-150MC	15.00	M	352	422	680	800
BPC3015-220MC	22.00	M	510	622	580	600
BPC3015-330MC	33.00	M	799	959	460	500
BPC3015-470MC	47.00	M	1172	1406	380	400
BPC3015-101MC	100.00	M	2433	2920	270	290

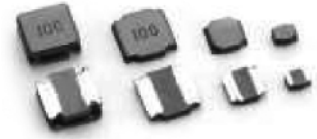
BPC4010

BW Part Number	Inductance (μ H)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.m Ω	Max.m Ω		
BPC4010-1R0MC	1.00	N	100	120	1800	1050
BPC4010-2R2MC	2.20	N	150	180	1150	890
BPC4010-3R3MC	3.30	M	180	216	1100	820
BPC4010-4R7MC	4.70	M	210	252	900	750
BPC4010-6R8MC	6.80	M	300	360	740	620
BPC4010-100MC	10.00	M	380	456	560	600
BPC4010-150MC	15.00	M	510	612	470	510
BPC4010-220MC	22.00	M	870	1044	360	400
BPC4010-330MC	33.00	M	1540	1848	280	300
BPC4010-470MC	47.00	M	1810	2172	240	280



Power Inductor

SMD /Shielded Type



BPC6012

BW Part Number	Inductance (μ H)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.m Ω	Max.m Ω		
BPC6012-1R0MC	1.00	N	50	65	2800	2300
BPC6012-1R5MC	1.50	N	65	85	2400	2000
BPC6012-2R5MC	2.50	N	90	108	2100	1730
BPC6012-4R0MC	4.00	N	105	126	1800	1570
BPC6012-5R3MC	5.30	M	110	132	1500	1400
BPC6012-6R8MC	6.80	M	165	198	1300	1180
BPC6012-100MC	10.00	M	235	282	1000	1000
BPC6012-150MC	15.00	M	330	396	800	790
BPC6012-220MC	22.00	M	530	636	760	630
BPC6012-330MC	33.00	M	700	840	590	530
BPC6012-470MC	47.00	M	1050	1260	520	460
BPC6012-680MC	68.00	M	1350	1620	440	410
BPC6012-101MC	100.00	M	2180	2616	350	320

BPC6045

BW Part Number	Inductance (μ H)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.m Ω	Max.m Ω		
BPC6045-1R0MC	1.00	N	14.0	18.2	8500	4200
BPC6045-1R3MC	1.30	N	16.0	20.8	8000	4000
BPC6045-1R8MC	1.80	N	18.0	23.4	7000	3700
BPC6045-2R3MC	2.30	N	21.0	27.3	6000	3500
BPC6045-3R0MC	3.00	N	24.0	31.2	5000	3200
BPC6045-4R5MC	4.50	M	31.0	40.3	4000	3000
BPC6045-6R3MC	6.30	M	38.0	49.4	3800	2800
BPC6045-100MC	10.00	M	47.0	61.1	3000	2500
BPC6045-150MC	15.00	M	77.0	100.1	2300	1900
BPC6045-220MC	22.00	M	115.0	149.5	1900	1500
BPC6045-330MC	33.00	M	145.0	188.5	1500	1400
BPC6045-470MC	47.00	M	220.0	286.0	1300	1100
BPC6045-680MC	68.00	M	330.0	429.0	1000	900
BPC6045-101MC	100.00	M	500.0	650.0	800	700

BPC8040

BW Part Number	Inductance (μ H)	L-Tolerance	DCR		Isat (mA)	Irms (mA)
			Typ.m Ω	Max.m Ω		
BPC8040-R90MC	0.90	N	6.0	8.0	11000	7800
BPC8040-1R4MC	1.40	N	7.0	10.0	9000	7000
BPC8040-1R8MC	1.80	M	9.0	11.7	8000	6500
BPC8040-2R0MC	2.00	N	9.0	12.0	7400	6300
BPC8040-2R5MC	2.50	N	12.0	16.0	6400	5400
BPC8040-3R6MC	3.60	N	15.0	20.0	5300	4900
BPC8040-4R7MC	4.70	N	18.0	24.0	4700	4100
BPC8040-6R8MC	6.80	N	25.0	33.0	4000	3700
BPC8040-100MC	10.00	M	34.0	45.0	3400	3100
BPC8040-150MC	15.00	M	50.0	65.0	2700	2400
BPC8040-220MC	22.00	M	66.0	86.0	2200	2200
BPC8040-330MC	33.00	M	100.0	130.0	1900	1700
BPC8040-470MC	47.00	M	150.0	195.0	1500	1400
BPC8040-680MC	68.00	M	230.0	299.0	1200	1100
BPC8040-101MC	100.00	M	290.0	377.0	1000	1000