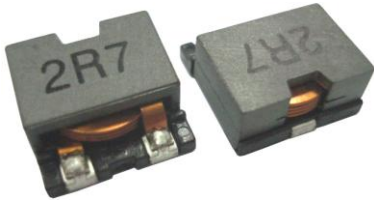


## BPSP Series



AEC-Q200 Grade 1 qualified, Designed for high current power supply applications, Flat wire windings provide exceptionally low DCR

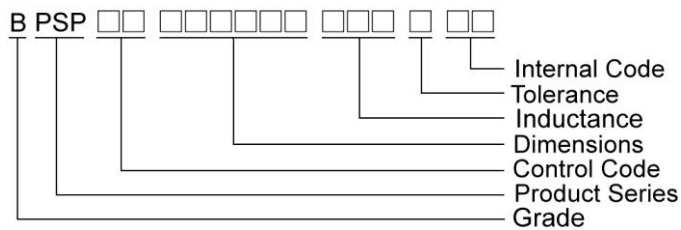
### Features

- High current carrying capacity
- Flat wire windings provide exceptionally low DCR
- Three mounting pins for additional stability in high-vibration

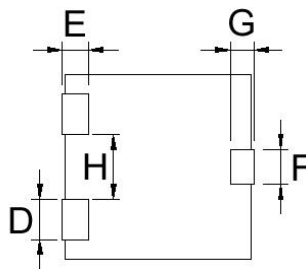
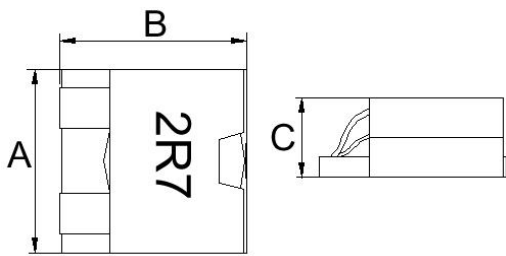
### Applications

- High current, low voltage power supply applications
- Audio boost circuit

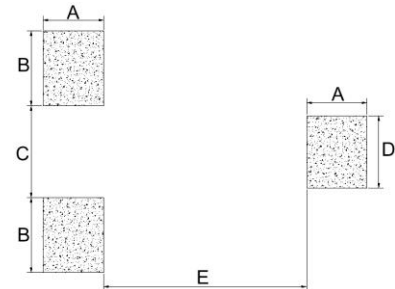
### Product Identification



### Shape and Dimensions

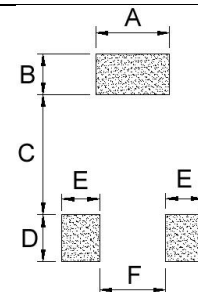
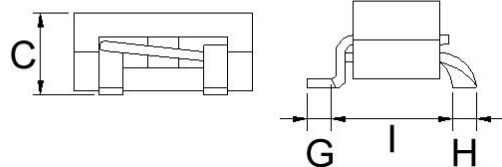
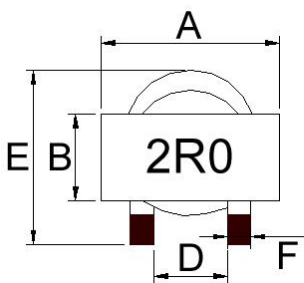


### Recommended Pattern



Dimensions in mm

TYPE	Shape and Dimensions								Recommended Pattern				
	A±0.3	B±0.3	C±0.35	D±0.2	E±0.2	F±0.2	G±0.2	H±0.2	A	B	C	D	E
BPSP00131355	12.6	12.7	5.45	2.6	2.0	2.5	1.6	4.3	2.5	3.1	3.8	3.0	8.4



Dimensions in mm

TYPE	Shape and Dimensions									Recommended Pattern					
	A±0.5	B±0.5	C Max	D±0.5	E±0.86	F±0.2	G±0.5	H±0.2	I±0.5	A	B	C	D	E	F
BPSP00190911	19	9	10.67	7.9	18.7	2.54	3.18	2.54	13.08	7.37	4.06	11.94	4.7	3.81	6.6

# SMD Shielded Power Inductors – BPSP Series

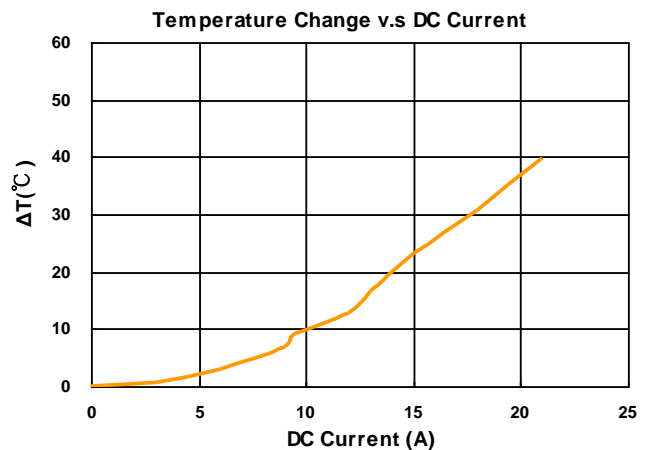
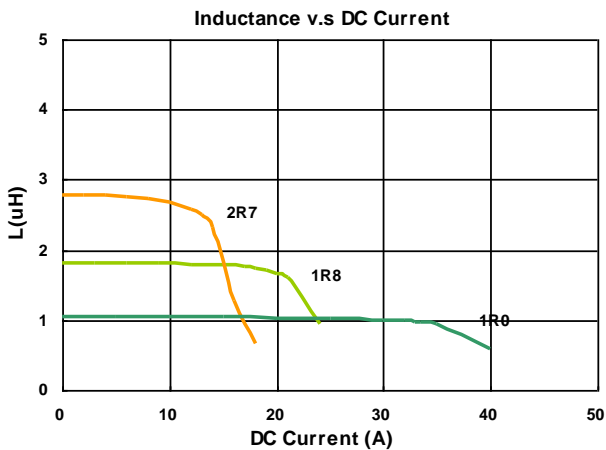
## Electrical Characteristics

Part Number	Inductance ( $\mu\text{H}$ )	Tolerance ( $\pm\%$ )	Test Frequency (kHz)	SRF (MHz) Typ.	RDC (m $\Omega$ ) Max	Isat 1	Isat 2	Isat 3	Irms 1 (A)	Irms 2 (A)	Marking
						(A) Max(Typ)	(A) Max(Typ)	(A) Max(Typ)			
BPSP001313551R0K00	1.0	10	100	75	2.6	25(32)	26(33)	27(33.5)	9.5	13	1R0
BPSP001313551R8K00	1.8	10	100	50	2.6	14(17)	16(19)	16.5(20)	9.5	13	1R8
BPSP001313552R7K00	2.7	10	100	42	2.6	9(12)	10(13)	11(14)	10	13.5	2R7

**Note: When ordering, please specify tolerance code. Tolerance: T= $\pm$ 30%**

- Operating temperature range - 40°C ~ 125°C(Including self - temperature rise)
- Isat 1 for Inductance drop 10%
- Isat 2 for Inductance drop 20%
- Isat 3 for Inductance drop 30%
- Irms 1 for a 20°C temperature rise from 25°C ambient with current
- Irms 2 for a 40°C temperature rise from 25°C ambient with current
- Measure Equipment :  
L : WK3260B+WK3265B , 100kHz/ 0.1V  
RDC : Chroma 16502  
Isat : WK3260B+WK3265B

## Test Instruments : HP4294A Impedance / Material Analyzer



## SMD Shielded Power Inductors – BPSP Series

### Electrical Characteristics

Part Number	Inductance ( $\mu$ H)	Tolerance ( $\pm$ %)	Test Frequency (kHz)	SRF (MHz)Min.	RDC (m $\Omega$ )Max	Isat (A)Max	Irms 1 (A)Max	Irms 2 (A)Max	Marking
BPSP001909112R0M00	2.0	20	100	39	1.4	34.4	30	40	2R0

**Note: When ordering, please specify tolerance code. Tolerance: M= $\pm$ 20%**

- Operating temperature range - 40°C ~ 125°C(Including self - temperature rise)
- Isat for Inductance drop 10%
- Irms 1 for a 20°C temperature rise from 25°C ambient with current
- Irms 2 for a 40°C temperature rise from 25°C ambient with current
- Measure Equipment :
  - L : WK3260B+WK3265B , 100kHz/ 0.1V
  - RDC : Chroma 16502
  - Isat : WK3260B+WK3265B

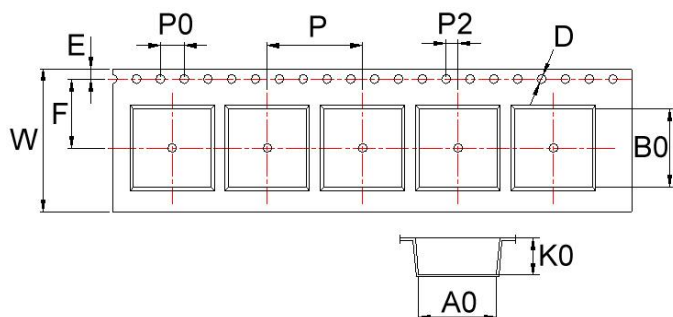
**Test Instruments :** HP4294A Impedance / Material Analyzer

## Packaging Specifications

### Tape Dimensions

### Tape Material

Figure 1



Carrier Tape: Polycarbonate  
Cover Tape: Polystyrene

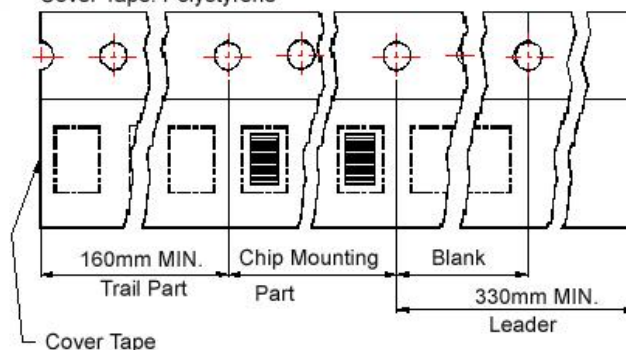
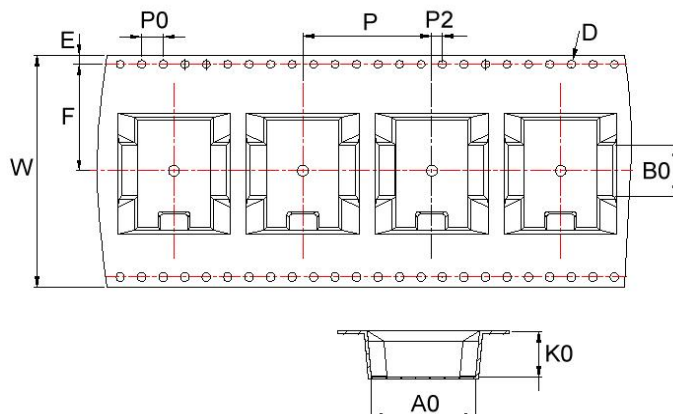
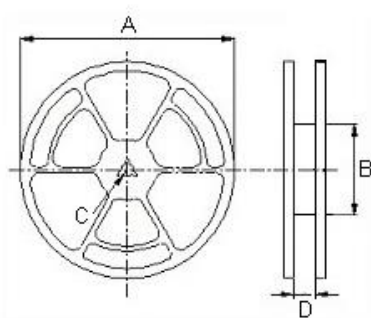


Figure 2



### Reel Dimensions



### Dimensions in mm

TYPE	Fig	Tape Dimensions										Reel Dimensions				Quantity
		A0	B0	K0	D	E	F	W	P	P0	P2	A	B	C	D	PCS / REEL
BPSP00131355	1	13.1	13.2	6.4	1.55	1.75	11.5	24	16	4	2	330	100	13	24.4	500
BPSP00190911	2	19.5	9.6	8.5	1.55	1.75	20.2	44	24	4	2	330	100	13	44.9	200

单击下面可查看定价，库存，交付和生命周期等信息

[>>CHILISIN\(奇力新\)](#)