

BPPB Series



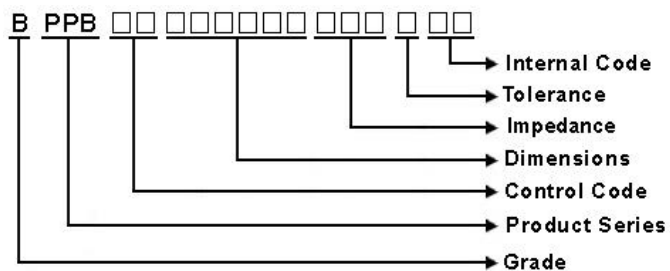
Features

- RoHS Compliant
- Special designs for surface mounting
- Available in various sizes for wide range of application and usage
- Highly resistant against heat and humidity

Applications

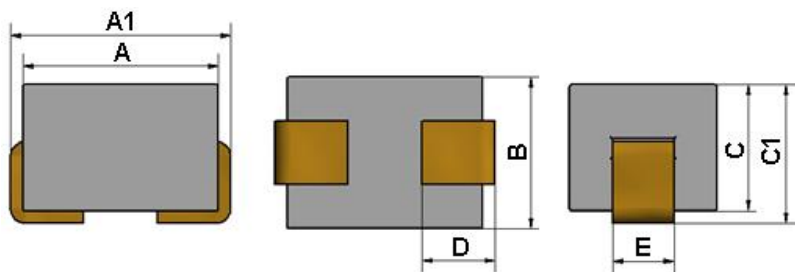
- Stereo
- Car radio
- Mobile telephone
- VCRs
- Computer disk drive and PC board

Product Identification

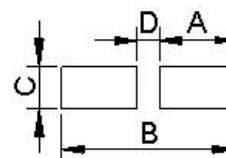


Shapes and Dimensions

BPPB00403025_AE



Recommended Pattern

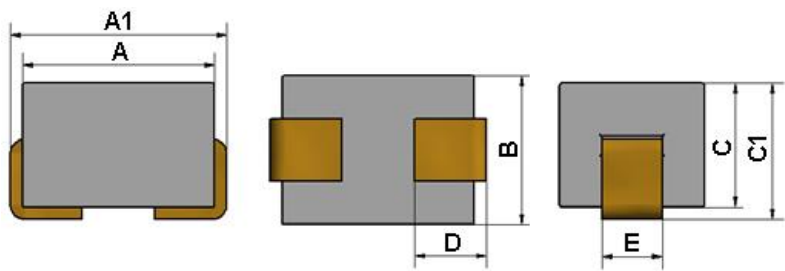


Dimensions in mm

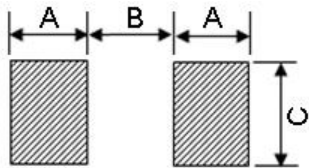
TYPE	Shape and Dimensions							Recommended Pattern			
	A	A1	B	C	C1	D	E	A	B	C	D
BPPB00403025_AE	4.06±0.1	5.08Max	3.05±0.15	2.54±0.15	3.05Max	1.52±0.5	1.27	2.77	6.35	1.47	0.81

Shapes and Dimensions

BPPB00403025



Recommended Pattern

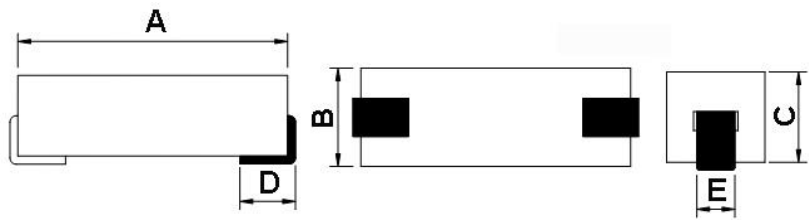


Dimensions in mm

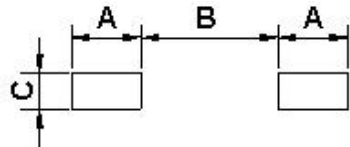
TYPE	Shape and Dimensions							Recommended Pattern		
	A	A1	B	C	C1	D	E	A	B	C
BPPB00403025	4.00±0.2	5.08Max	3.10±0.15	2.54±0.15	3.05Max	1.50±0.5	1.25	1.5	2.0	2.5

Shapes and Dimensions

BPPB00853025



Recommended Pattern



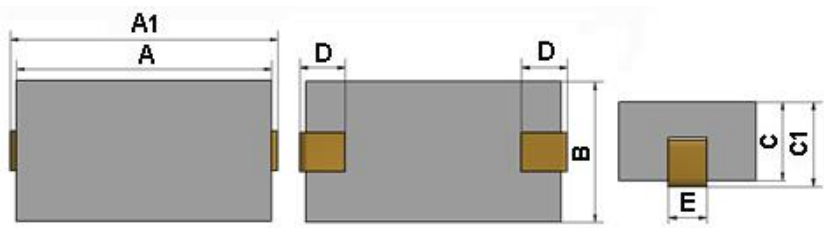
Dimensions in mm

TYPE	Shape and Dimensions					Recommended Pattern		
	A	B	C	D	E	A	B	C
BPPB00853025	8.5±0.3	3.1±0.15	2.54±0.15	1.5	1.35	2.0	5.0	1.5

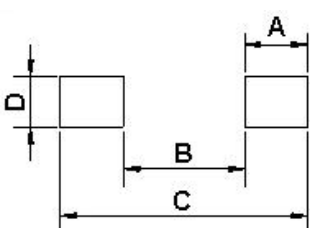
SMD Shielded Power Inductors – BPPB Series

Shapes and Dimensions

BPPB00854625



Recommended Pattern

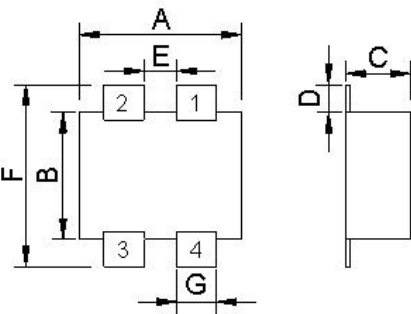


Dimensions in mm

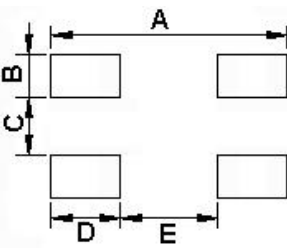
TYPE	Shape and Dimensions							Recommended Pattern			
	A	A1	B	C	C1	D	E	A	B	C	D
BPPB00854625	8.51±0.23	9.53Max	4.6±0.2	2.4±0.25	3.05Max	1.52±0.5	1.27	2.77	5.26	10.8	1.47

Shapes and Dimensions

BPPB00070628



Recommended Pattern



Dimensions in mm

TYPE	Shape and Dimensions							Recommended Pattern				
	A	B	C	D	E	F	G	A	B	C	D	E
BPPB00070628	5.7±0.2	4.6±0.3	2.8±0.3	0.9+0.2/-0.1	2.0±0.2	6.7±0.2	1.2±0.2	7.0	1.4	1.8	1.8	3.4

SMD Shielded Power Inductors – BPPB Series

Standard Specifications

Part Number	Impedance(Ω) @1MHz,0.5V	Impedance(Ω) @10MHz,0.5V	RDC (m Ω)Max.	Rated current (A)Typ
BPPB00403025420XAE	14Min	34Min(42Typ)	0.75	10

Note: When ordering, please specify tolerance code.

- Operating temperature range — 40°C ~ 125°C (Including self - temperature rise)
- Rated Current : Based on temperature rise (ΔT :40°C Typ.)
- Measure Equipment :
 - Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)
 - RDC : CHROMA MODEL 16502 MILLIOHMETER (or equivalent)

SMD Shielded Power Inductors – BPPB Series

Standard Specifications

Part Number	Impedance(Ω)	Impedance(Ω)	RDC (m Ω)Max.	Rated current (A)Typ
	@25MHz,0.5V	@100MHz,0.5V		
BPPB00403025470X00	30 \pm 25%	47 \pm 25%	0.6	10

Note: When ordering, please specify tolerance code.

- Operating temperature range — 40°C ~ 125°C (Including self - temperature rise)
- Rated Current : Based on temperature rise (ΔT :40°C Typ.)
- Measure Equipment :
 - Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)
 - RDC : CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)

SMD Shielded Power Inductors – BPPB Series

Standard Specifications

Part Number	Impedance(Ω)	Impedance(Ω)	RDC (m Ω)Max.	Rated current (A)Typ
	@25MHz,0.5V	@100MHz,0.5V		
BPPB00853025100X00	60 \pm 25%	90 \pm 25%	0.9	10

Note: When ordering, please specify tolerance code.

- Operating temperature range — 40°C ~ 125°C (Including self - temperature rise)
- Rated Current : Based on temperature rise (ΔT :40°C Typ.)
- Measure Equipment :
 - Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)
 - RDC : CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)

SMD Shielded Power Inductors – BPPB Series

Standard Specifications

Part Number	Impedance(Ω) @10MHz,0.5V	RDC (m Ω)Max.	Rated current (A)Typ
BPPB00854625121X0E	115 \pm 25%	1.0	10

Note: When ordering, please specify tolerance code.

- Operating temperature range — 40°C ~ 125°C (Including self - temperature rise)
- Rated Current : Based on temperature rise (ΔT :40°C Typ.)
- Measure Equipment :
Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)
RDC : CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)

SMD Shielded Power Inductors – BPPB Series

Standard Specifications

Part Number	Impedance(Ω) @100MHz,0.5V	RDC (m Ω)Max.	Rated current (A)Typ
BPPB00070628330Y2E	33 \pm 25%	3.0	10

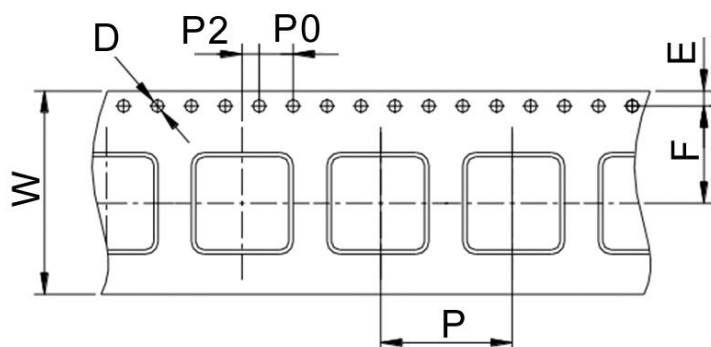
Note: When ordering, please specify tolerance code.

- Operating temperature range — 40°C ~ 125°C (Including self - temperature rise)
- Rated Current : Based on temperature rise (ΔT :40°C Typ.)
- Measure Equipment :
Z : HP 4291B IMPEDANCE ANALYZER (or equivalent)
RDC : CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)

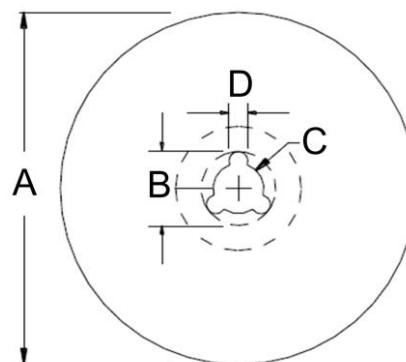
SMD Shielded Power Inductors – BPPB Series

Packaging Specifications

Tape Dimensions



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions							Reel Dimensions				Quantity PCS / Reel
	W	D	E	F	P	P0	P2	A	B	C	D	
BPPB00403025	12	1.5	1.75	5.5	8	4	2	178	20	13	2	500
BPPB00853025	16	1.5	1.75	7.5	8	4	2	178	20	13	2	500
BPPB00854625	16	1.5	1.75	7.5	8	4	2	178	20	13	2	500
BPPB00070628	16	1.5	1.75	7.5	12	4	2	330	20	13	2	1500