

# FLPBY series

## SMD Multilayer Ferrite Chip beads

### ◆ Features

- » Effective EMI protection
- » Low DC resistance
- » High soldering heat resistance
- » Multiple size availability



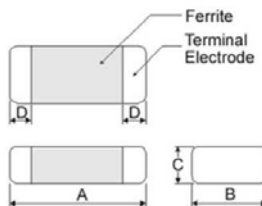
### ◆ Applications

- » Computers and Peripheral Equipment
- » VCRS, Television
- » Cellular Phones
- » Digital Communication Equipment
- » Various Electronics Equipments
- » Circuit Where a Stable Ground is Unavailable

### ◆ Dimension

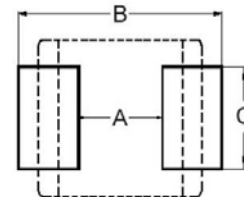
#### Shape and Dimensions

Type	A	B	C	D
FLPBY040205	1.0±0.10	0.50±0.10	0.50±0.10	0.25±0.10
FLPBY060308	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.20
FLPBY080509	2.0±0.20	1.25±0.20	0.9±0.20	0.5±0.30
FLPBY120611	3.2±0.20	1.60±0.20	1.1±0.20	0.5±0.30



#### Recommended Pattern

Type	A	B	C
FLPBY040205	0.4	1.2~1.4	0.5
FLPBY060308	0.7~0.8	1.8~2.0	0.6~0.8
FLPBY080509	1.0~1.2	2.6~4.0	1.0~1.2
FLPBY120611	2.0	4.2~5.2	1.2



#### Dimension Conversion

Type	Dimension AxBxC	EIA
FLPBY040205	1.0X0.5X0.5	0402
FLPBY060308	1.6x0.8x0.8	0603
FLPBY080509	2.0x1.2x0.9	0805
FLPBY120611	3.2x1.6x1.1	1206

## ◆ Part Number

FLPBY	040205	T	600	Y	N
Type	Size	Packing	Impedance	Tolerance	Internal No.
FLPBY	040205	Taping	10R: 100	Y: $\pm 25\%$	
	060308		30R: 100	T: $\pm 30\%$	
	080509		60R: 600		
	120611		120R: 121		
			1000R: 102		

## ◆ Electrical Specifications

### FLPBY040205

Impedance ( $\Omega$ )	Tolerance ( $\pm\%$ )	Test Freq. (MHz)	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
10	30	100	0.03	2000
30	25	100	0.05	1700
60	25	100	0.075	1500
80	25	100	0.09	1200
120	25	100	0.09	1200
150	25	100	0.14	900
220	25	100	0.18	580
600	25	100	0.34	420
1000	25	100	0.49	350

Operating temp: Operating temperature range  $-55\sim+125^{\circ}\text{C}$

Rate current: Applied the current to coils, the temperature rise shall not be more than  $30^{\circ}\text{C}$

Storage Temperature: Under  $25^{\circ}\text{C}$ , Humidity 40%~65%

**FLPBY060308**

Impedance ( $\Omega$ )	Tolerance ( $\pm\%$ )	Test Freq. (MHz)	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
10	30	100	0.020	4000
25	25	100	0.030	3000
40	25	100	0.035	3000
60	25	100	0.040	3000
120	25	100	0.080	2500
150	25	100	0.085	2000
180	25	100	0.090	2000
220	25	100	0.095	2000
300	25	100	0.120	1500
470	25	100	0.150	1200
600	25	100	0.200	1000
1000	25	100	0.250	800
1200	25	100	0.250	800
1500	25	100	0.400	500

Operating Temp: Operating temperature range  $-55\sim+125^{\circ}\text{C}$

Rate Current: Applied the current to coils, the temperature rise shall not be more than  $30^{\circ}\text{C}$

Storage Temperature: Under  $25^{\circ}\text{C}$ , Humidity 40%~65%

**FLPBY080509**

Impedance ( $\Omega$ )	Tolerance ( $\pm\%$ )	Test Freq. (MHz)	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
10	30	100	0.01	6000
11	25	100	0.01	6000
13	25	100	0.02	5000
15	25	100	0.02	5000
17	25	100	0.02	5000
19	25	100	0.02	4000
22	25	100	0.02	4000
26	25	100	0.02	4000
28	25	100	0.02	4000
30	25	100	0.015	4000
31	25	100	0.02	4000
32	25	100	0.02	4000
33	25	100	0.02	4000
39	25	100	0.02	3000
40	25	100	0.02	3000
42	25	100	0.025	3000

Impedance ( $\Omega$ )	Tolerance ( $\pm\%$ )	Test Freq. (MHz)	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
50	25	100	0.025	3000
60	25	100	0.03	3000
68	25	100	0.04	3000
70	25	100	0.04	3000
75	25	100	0.04	3000
80	25	100	0.04	3000
90	25	100	0.04	3000
100	25	100	0.04	3000
120	25	100	0.04	3000
130	25	100	0.05	2500
150	25	100	0.05	2500
180	25	100	0.05	2500
200	25	100	0.05	2500
220	25	100	0.08	2000
240	25	100	0.08	2000
250	25	100	0.08	2000
300	25	100	0.08	2000
330	25	100	0.08	2000
390	25	100	0.10	2000
400	25	100	0.10	2000
450	25	100	0.10	2000
470	25	100	0.10	2000
500	25	100	0.10	2000
600	25	100	0.10	2000
750	25	100	0.12	1500
800	25	100	0.12	1500
1000	25	100	0.12	1500
1500	25	100	0.30	1000

## FLPBY120611

Impedance ( $\Omega$ )	Tolerance ( $\pm\%$ )	Test Freq. (MHz)	DC Resistance ( $\Omega$ ) Max	Rated Current (mA) Max
10	25	100	0.015	6000
30	25	100	0.015	4000
60	25	100	0.020	4000
100	25	100	0.030	3000
120	25	100	0.030	3000
220	25	100	0.050	2000
300	25	100	0.060	2000
600	25	100	0.100	2000
1000	25	50	0.150	1200
1200	25	50	0.180	1000
1500	25	50	0.200	800

When ordering, please specify tolerance code. Tolerance : Y= $\pm 25\%$

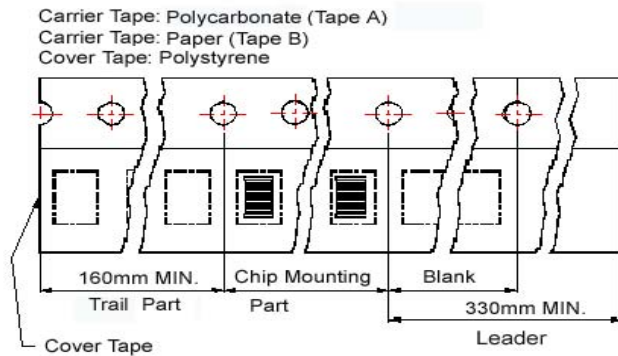
Operating Temp: Operating temperature range  $-55\sim+125^{\circ}\text{C}$  (Including self - temperature rise)

Rate Current: Applied the current to coils, the temperature rise shall not be more than  $30^{\circ}\text{C}$

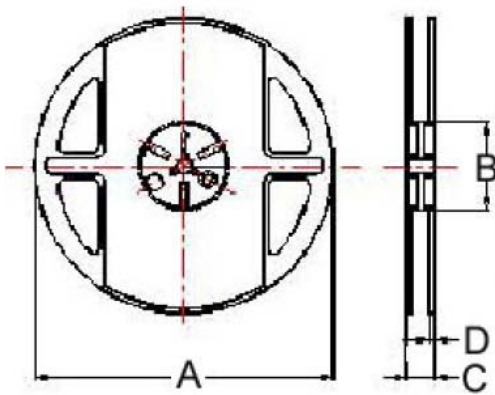
Storage Temperature: Under  $25^{\circ}\text{C}$ , Humidity 40%~65%

# Packing

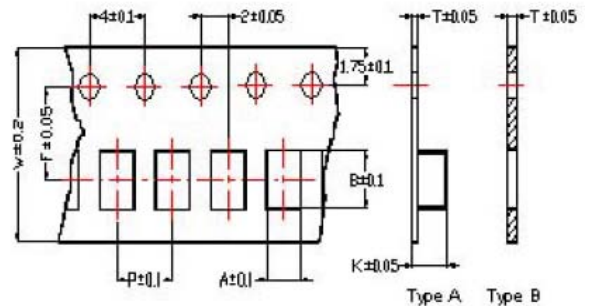
## Tape Material



## Tape Dimensions



## Reel Dimensions



## Dimensions

Unit: mm

TYPE	Tape Dimensions								Reel Dimensions				Quantity PCS/Reel
	A	B	T	W	P	F	K	Tape	A	B	C	D	
FLPBY040205	0.65	1.15	0.60	8.0	2.0	3.5	-	B	178	60	12	2	10000
FLPBY060308	1.05	1.85	0.95	8.0	4.0	3.5	-	B	178	60	12	2	4000
FLPBY080509	1.50	2.30	0.97	8.0	4.0	3.5	-	B	178	60	12	2	4000
FLPBY120611	1.88	3.5	0.22	8.0	4.0	3.5	1.27	A	178	60	12	2	3000

All product specification and data are subject to change without notice