

## PBZ\*\*\*\*B series

### Features

- A unique terminal electrode structure ensures permissible current 6.0A(max).
- High impedance and EMI suppression effective over a wide frequency range.

### Applications

- Noise suppression in power lines or high current signal lines of electrical equipment such as communication equipment, computers and LCD TVs.

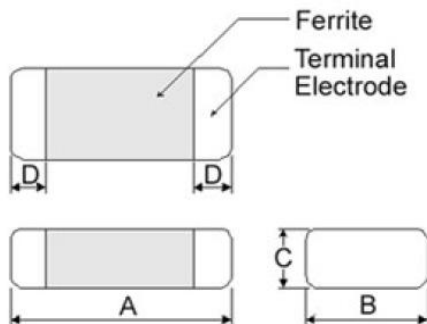
### Yint P/N Information

- ① ② ③ ④ ⑤ ⑥ ⑦  
 • PBZ 1005 B - 601 Z 0 T

- ① Product series      ⑤ Tolerance  
 ② Size                      ⑥ Special code  
 ③ material code        ⑦ Taping information  
 ④ Value

④ Nominal Impedance [ $\Omega$ ]	
Example	Nominal Value [ $\Omega$ ]
050	5
600	60
101	100
Impedance Tolerance	
Z	$\pm 25\%$
N	$\pm 30\%$

### Shape & Dimension information



Unit: mm

TYPE	A	B	C	D
1005	1.0 $\pm$ 0.15	0.5 $\pm$ 0.15	0.5 $\pm$ 0.15	0.25 $\pm$ 0.1
1608	1.6 $\pm$ 0.20	0.8 $\pm$ 0.20	0.8 $\pm$ 0.20	0.30 $\pm$ 0.2
2012	2.0 $\pm$ 0.20	1.2 $\pm$ 0.20	0.9 $\pm$ 0.20	0.50 $\pm$ 0.3
3216	3.2 $\pm$ 0.20	1.6 $\pm$ 0.20	0.9 $\pm$ 0.20	0.50 $\pm$ 0.3
3225	3.2 $\pm$ 0.20	2.5 $\pm$ 0.20	1.3 $\pm$ 0.20	0.50 $\pm$ 0.3
4516	4.5 $\pm$ 0.20	1.6 $\pm$ 0.20	1.6 $\pm$ 0.20	0.50 $\pm$ 0.3
4532	4.5 $\pm$ 0.20	3.2 $\pm$ 0.20	1.5 $\pm$ 0.20	0.50 $\pm$ 0.3

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## Specification

Yint P/N	Impedance ( $\Omega$ )	Test Frequency (MHz)	DC Resistance ( $\Omega$ ) max.	Test voltage (mV)	Rated Current (mA) max.
PBZ1005B-050Z0T	5 (0~15 $\Omega$ )	100	0.02	50	2000
PBZ1005B-070Z0T	7 (0~11 $\Omega$ )	100	0.02	50	2000
PBZ1005B-090Z0T	9 (5~13 $\Omega$ )	100	0.02	50	2000
PBZ1005B-110Z0T	11 (7~15 $\Omega$ )	100	0.02	50	2000
PBZ1005B-150Z0T	15 (9~21 $\Omega$ )	100	0.02	50	2000
PBZ1005B-190Z0T	19 (12~25 $\Omega$ )	100	0.035	50	1700
PBZ1005B-260Z0T	26 $\pm$ 25%	100	0.06	50	1500
PBZ1005B-300Z0T	30 $\pm$ 25%	100	0.06	50	1500
PBZ1005B-600Z0T	60 $\pm$ 25%	100	0.10	50	1300
PBZ1005B-101Z0T	100 $\pm$ 25%	100	0.15	50	1000
PBZ1005B-121Z0T	120 $\pm$ 25%	100	0.15	50	1000
PBZ1005B-151Z0T	150 $\pm$ 25%	100	0.20	50	700
PBZ1005B-201Z0T	200 $\pm$ 25%	100	0.25	50	700
PBZ1005B-221Z0T	220 $\pm$ 25%	100	0.28	50	700
PBZ1005B-301Z0T	300 $\pm$ 25%	100	0.30	50	600
PBZ1005B-501Z0T	500 $\pm$ 25%	100	0.40	50	500
PBZ1005B-601Z0T	600 $\pm$ 25%	100	0.50	50	500
PBZ1005B-801Z0T	800 $\pm$ 25%	100	0.65	50	300
PBZ1005B-102Z0T	1000 $\pm$ 25%	100	0.65	50	300

**Specification**

Yint P/N	Impedance ( $\Omega$ )	Test Frequency (MHz)	DC Resistance ( $\Omega$ ) max.	Test voltage (mV)	Rated current (mA)max
PBZ1608B-050Z0T	5 (0~15 $\Omega$ )	100	0.01	50	6000
PBZ1608B-070Z0T	7 (0~11 $\Omega$ )	100	0.01	50	6000
PBZ1608B-090Z0T	9 (5~13 $\Omega$ )	100	0.01	50	6000
PBZ1608B-110Z0T	11 (7~15 $\Omega$ )	100	0.01	50	6000
PBZ1608B-150Z0T	15 (9~21 $\Omega$ )	100	0.01	50	6000
PBZ1608B-190Z0T	19 (12~25 $\Omega$ )	100	0.01	50	6000
PBZ1608B-260Z0T	26 $\pm$ 25%	100	0.03	50	5000
PBZ1608B-300Z0T	30 $\pm$ 25%	100	0.03	50	4000
PBZ1608B-500Z0T	50 $\pm$ 25%	100	0.40	50	3000
PBZ1608B-600Z0T	60 $\pm$ 25%	100	0.40	50	3000
PBZ1608B-700Z0T	70 $\pm$ 25%	100	0.60	50	2500
PBZ1608B-750Z0T	75 $\pm$ 25%	100	0.60	50	2500
PBZ1608B-800Z0T	80 $\pm$ 25%	100	0.60	50	2500
PBZ1608B-101Z0T	100 $\pm$ 25%	100	0.60	50	2500
PBZ1608B-121Z0T	120 $\pm$ 25%	100	0.065	50	2000
PBZ1608B-151Z0T	150 $\pm$ 25%	100	0.07	50	1500
PBZ1608B-181Z0T	180 $\pm$ 25%	100	0.09	50	1500
PBZ1608B-221Z0T	220 $\pm$ 25%	100	0.12	50	1500
PBZ1608B-301Z0T	300 $\pm$ 25%	100	0.15	50	1500
PBZ1608B-331Z0T	330 $\pm$ 25%	100	0.18	50	1300
PBZ1608B-501Z0T	500 $\pm$ 25%	100	0.18	50	1300
PBZ1608B-601Z0T	600 $\pm$ 25%	100	0.18	50	1300
PBZ1608B-801Z0T	800 $\pm$ 25%	100	0.30	50	800
PBZ1608B-102Z0T	1000 $\pm$ 25%	100	0.35	50	700

**Specification**

Yint P/N	Impedance ( $\Omega$ )	Test Frequency (MHz)	DC Resistance ( $\Omega$ ) max.	Test voltage (mV)	Rated current (mA)max
PBZ2012B-050Z0T	5 (0~15 $\Omega$ )	100	0.01	50	6000
PBZ2012B-070Z0T	7 (0~11 $\Omega$ )	100	0.01	50	6000
PBZ2012B-090Z0T	9 (5~13 $\Omega$ )	100	0.01	50	6000
PBZ2012B-110Z0T	11 (7~15 $\Omega$ )	100	0.01	50	6000
PBZ2012B-150Z0T	15 (9~21 $\Omega$ )	100	0.01	50	6000
PBZ2012B-190Z0T	19 (12~25 $\Omega$ )	100	0.01	50	6000
PBZ2012B-300Z0T	30 $\pm$ 25%	100	0.01	50	6000
PBZ2012B-310Z0T	31 $\pm$ 25%	100	0.01	50	6000
PBZ2012B-500Z0T	50 $\pm$ 25%	100	0.03	50	4000
PBZ2012B-600Z0T	60 $\pm$ 25%	100	0.03	50	4000
PBZ2012B-700Z0T	70 $\pm$ 25%	100	0.04	50	4000
PBZ2012B-800Z0T	80 $\pm$ 25%	100	0.04	50	4000
PBZ2012B-101Z0T	100 $\pm$ 25%	100	0.045	50	4000
PBZ2012B-121Z0T	120 $\pm$ 25%	100	0.045	50	4000
PBZ2012B-151Z0T	150 $\pm$ 25%	100	0.07	50	3000
PBZ2012B-181Z0T	180 $\pm$ 25%	100	0.07	50	3000
PBZ2012B-221Z0T	220 $\pm$ 25%	100	0.07	50	3000
PBZ2012B-301Z0T	300 $\pm$ 25%	100	0.08	50	2500
PBZ2012B-501Z0T	500 $\pm$ 25%	100	0.09	50	2500
PBZ2012B-601Z0T	600 $\pm$ 25%	100	0.10	50	2000
PBZ2012B-102Z0T	1000 $\pm$ 25%	100	0.12	50	1500

**Specification**

Yint P/N	Impedance ( $\Omega$ )	Test Frequency (MHz)	DC Resistance ( $\Omega$ ) max.	Test voltage (mV)	Rated current (mA)max
PBZ3216B-050Z0T	5 (0~15 $\Omega$ )	100	0.01	50	6000
PBZ3216B-070Z0T	7 (0~11 $\Omega$ )	100	0.01	50	6000
PBZ3216B-090Z0T	9 (5~13 $\Omega$ )	100	0.01	50	6000
PBZ3216B-110Z0T	11 (7~15 $\Omega$ )	100	0.01	50	6000
PBZ3216B-150Z0T	15 (9~21 $\Omega$ )	100	0.015	50	6000
PBZ3216B-190Z0T	19 (12~25 $\Omega$ )	100	0.015	50	6000
PBZ3216B-260Z0T	26 $\pm$ 25%	100	0.015	50	6000
PBZ3216B-280Z0T	28 $\pm$ 25%	100	0.015	50	6000
PBZ3216B-300Z0T	30 $\pm$ 25%	100	0.015	50	6000
PBZ3216B-310Z0T	31 $\pm$ 25%	100	0.02	50	5000
PBZ3216B-500Z0T	50 $\pm$ 25%	100	0.02	50	5000
PBZ3216B-600Z0T	60 $\pm$ 25%	100	0.025	50	5000
PBZ3216B-700Z0T	70 $\pm$ 25%	100	0.035	50	4000
PBZ3216B-800Z0T	80 $\pm$ 25%	100	0.035	50	4000
PBZ3216B-101Z0T	100 $\pm$ 25%	100	0.035	50	4000
PBZ3216B-121Z0T	120 $\pm$ 25%	100	0.035	50	4000
PBZ3216B-151Z0T	150 $\pm$ 25%	100	0.045	50	3000
PBZ3216B-181Z0T	180 $\pm$ 25%	100	0.055	50	3000
PBZ3216B-221Z0T	220 $\pm$ 25%	100	0.055	50	3000
PBZ3216B-301Z0T	300 $\pm$ 25%	100	0.065	50	2500
PBZ3216B-501Z0T	500 $\pm$ 25%	100	0.08	50	2500
PBZ3216B-601Z0T	600 $\pm$ 25%	100	0.085	50	2200
PBZ3216B-801Z0T	800 $\pm$ 25%	100	0.11	50	2100
PBZ3216B-102Z0T	1000 $\pm$ 25%	100	0.12	50	2100

**Specification**

Yint P/N	Impedance ( $\Omega$ )	Test Frequency (MHz)	DC Resistance ( $\Omega$ ) max.	Test voltage (mV)	Rated current (mA)max
PBZ3225B-110Z0T	11 (7~15 $\Omega$ )	100	0.02	50	6000
PBZ3225B-150Z0T	15 (9~21 $\Omega$ )	100	0.02	50	6000
PBZ3225B-190Z0T	19 (12~25 $\Omega$ )	100	0.02	50	6000
PBZ3225B-260Z0T	26 $\pm$ 25%	100	0.02	50	6000
PBZ3225B-310Z0T	31 $\pm$ 25%	100	0.02	50	6000
PBZ3225B-600Z0T	60 $\pm$ 25%	100	0.02	50	6000
PBZ3225B-700Z0T	70 $\pm$ 25%	100	0.02	50	6000
PBZ3225B-800Z0T	80 $\pm$ 25%	100	0.02	50	6000
PBZ3225B-900Z0T	90 $\pm$ 25%	100	0.03	50	5000
PBZ3225B-121Z0T	120 $\pm$ 25%	100	0.03	50	5000
PBZ3225B-151Z0T	150 $\pm$ 25%	100	0.03	50	5000
PBZ3225B-301Z0T	300 $\pm$ 25%	100	0.06	50	4000
PBZ3225B-501Z0T	500 $\pm$ 25%	100	0.10	50	4000
PBZ3225B-601Z0T	600 $\pm$ 25%	100	0.15	50	3000
PBZ3225B-801Z0T	800 $\pm$ 25%	100	0.20	50	2500
PBZ3225B-102Z0T	1000 $\pm$ 25%	100	0.23	50	2500

**Specification**

Yint P/N	Impedance ( $\Omega$ )	Test Frequency (MHz)	DC Resistance ( $\Omega$ ) max.	Test voltage (mV)	Rated current (mA)max
PBZ4516B-190Z0T	<b>19 (12~25<math>\Omega</math>)</b>	<b>100</b>	<b>0.009</b>	<b>50</b>	<b>6000</b>
PBZ4516B-260Z0T	<b>26<math>\pm</math>25%</b>	<b>100</b>	<b>0.009</b>	<b>50</b>	<b>6000</b>
PBZ4516B-310Z0T	<b>31<math>\pm</math>25%</b>	<b>100</b>	<b>0.009</b>	<b>50</b>	<b>6000</b>
PBZ4516B-600Z0T	<b>60<math>\pm</math>25%</b>	<b>100</b>	<b>0.009</b>	<b>50</b>	<b>6000</b>
PBZ4516B-750Z0T	<b>75<math>\pm</math>25%</b>	<b>100</b>	<b>0.02</b>	<b>50</b>	<b>4000</b>
PBZ4516B-800Z0T	<b>80<math>\pm</math>25%</b>	<b>100</b>	<b>0.025</b>	<b>50</b>	<b>3000</b>
PBZ4532B-190Z0T	<b>19 (12~25<math>\Omega</math>)</b>	<b>100</b>	<b>0.01</b>	<b>50</b>	<b>6000</b>
PBZ4532B-260Z0T	<b>26<math>\pm</math>25%</b>	<b>100</b>	<b>0.01</b>	<b>50</b>	<b>6000</b>
PBZ4532B-280Z0T	<b>28<math>\pm</math>25%</b>	<b>100</b>	<b>0.01</b>	<b>50</b>	<b>6000</b>
PBZ4532B-300Z0T	<b>30<math>\pm</math>25%</b>	<b>100</b>	<b>0.01</b>	<b>50</b>	<b>6000</b>
PBZ4532B-310Z0T	<b>31<math>\pm</math>25%</b>	<b>100</b>	<b>0.01</b>	<b>50</b>	<b>6000</b>
PBZ4532B-380Z0T	<b>38<math>\pm</math>25%</b>	<b>100</b>	<b>0.01</b>	<b>50</b>	<b>6000</b>
PBZ4532B-400Z0T	<b>40<math>\pm</math>25%</b>	<b>100</b>	<b>0.01</b>	<b>50</b>	<b>6000</b>
PBZ4532B-500Z0T	<b>50<math>\pm</math>25%</b>	<b>100</b>	<b>0.01</b>	<b>50</b>	<b>6000</b>
PBZ4532B-600Z0T	<b>60<math>\pm</math>25%</b>	<b>100</b>	<b>0.01</b>	<b>50</b>	<b>6000</b>
PBZ4532B-700Z0T	<b>70<math>\pm</math>25%</b>	<b>100</b>	<b>0.01</b>	<b>50</b>	<b>6000</b>
PBZ4532B-101Z0T	<b>100<math>\pm</math>25%</b>	<b>100</b>	<b>0.02</b>	<b>50</b>	<b>6000</b>
PBZ4532B-181Z0T	<b>180<math>\pm</math>25%</b>	<b>100</b>	<b>0.02</b>	<b>50</b>	<b>6000</b>
PBZ4532B-221Z0T	<b>220<math>\pm</math>25%</b>	<b>100</b>	<b>0.02</b>	<b>50</b>	<b>6000</b>
PBZ4532B-501Z0T	<b>500<math>\pm</math>25%</b>	<b>100</b>	<b>0.08</b>	<b>50</b>	<b>4000</b>
PBZ4532B-601Z0T	<b>600<math>\pm</math>25%</b>	<b>100</b>	<b>0.08</b>	<b>50</b>	<b>4000</b>

**Testing Conditions:**

1. All test data is base on 25 °C ambient .
2. Operating temperature range - 40 °C to + 125 °C

**MPQ Information**

Size	PBZ1005	PBZ1608	PBZ2012	PBZ3216	PBZ3225	PBZ4516	PBZ4532
Reel	10000	4000	4000	4000	3000	5000	3000