Chip Bead ABUP Series

Automotive
AEC-Q200

RoHS Compliant
Halogen Free
REACH Compliant



Noise Suppression | Shield | Multilayer | Ferrite | High Current

Part Numbering

A	BUP	00	160808	600	Y	00
Grade	Series Name	Control Code	Dimensions Code (mm)	Impedance (Ω)	Tolerance	Internal Code
			100505 1.0x0.5x0.5	300 30	Y ±25%	
			160808 1.6x0.8x0.8	800 80		
			201209 2.0x1.25x0.9	121 120		
			321611 3.2x1.6x1.1			

This specification applies to Multilayer Chip ferrite Bead for Automotive Electronics based on AEC-Q200 except for Power train and Safety.

Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Pulse a YAGEO company

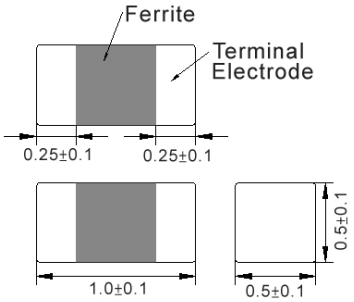
CHILISIN ELECTRONICS CORP.

Chip Bead ABUP Series

Automotive
AEC-Q200

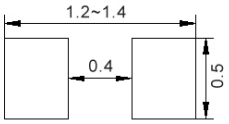
ABUP00100505 Type

■ Dimensions



unit:mm

■ Recommended Land Pattern



unit:mm

■ Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq.	RDC (Ω)Max.	Rated Current (mA)Max.
ABUP00100505300Y00	30	100 MHz,200 mV	0.022	3000
ABUP00100505330Y00	33	100 MHz,200 mV	0.022	3000
ABUP00100505600Y00	60	100 MHz,200 mV	0.032	2500
ABUP00100505800Y00	80	100 MHz,200 mV	0.038	2300
ABUP00100505121Y00	120	100 MHz,200 mV	0.055	2000

Note: When ordering, please specify tolerance code. Tolerance: Y=±25%

1. Operating temperature range - 55℃ ~ 125℃
2. Rate Current：Applied the current to coils, the temperature rise shall not be more than 30℃
3. Measure Equipment:
   Z: HP4291A
   RDC: HP4338B or CHEN HWA 502

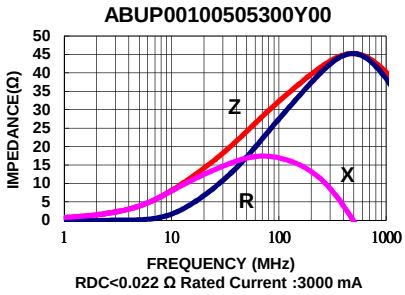
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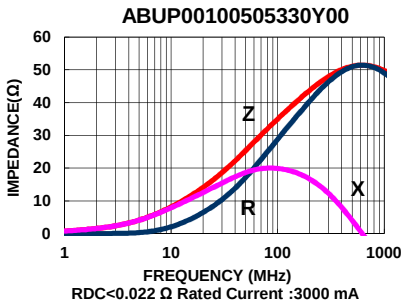
Automotive
AEC-Q200

ABUP00100505 Type

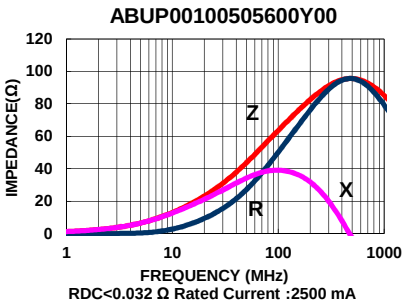
■ Characteristics Graph



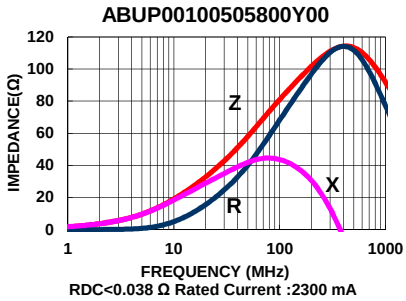
RDC<0.022 Ω Rated Current :3000 mA



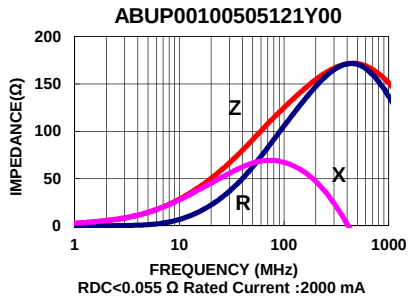
RDC<0.022 Ω Rated Current :3000 mA



RDC<0.032 Ω Rated Current :2500 mA



RDC<0.038 Ω Rated Current :2300 mA



RDC<0.055 Ω Rated Current :2000 mA

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Pulse a YAGEO company

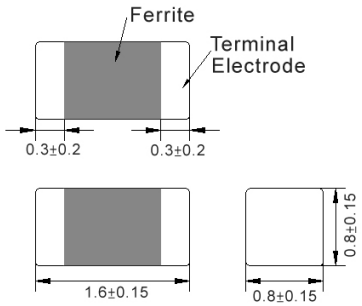
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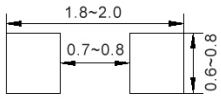
ABUP00160808 Type

Dimensions



unit:mm

Recommended Land Pattern



unit:mm

Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq.	RDC (Ω)Max.	Rated Current (mA)Max.
ABUP00160808300Y00	30	100 MHz,200 mV	0.015	4500
ABUP00160808101Y00	100	100 MHz,200 mV	0.030	3000
ABUP00160808121Y00	120	100 MHz,200 mV	0.030	3000
ABUP00160808181Y00	180	100 MHz,200 mV	0.050	2000
ABUP00160808221Y00	220	100 MHz,200 mV	0.040	2500

Note: When ordering, please specify tolerance code. Tolerance: Y=±25%

1. Operating temperature range - 55℃ ~ 125℃
2. Rate Current：Applied the current to coils, the temperature rise shall not be more than 30℃
3. Measure Equipment:
   Z: HP4291A
   RDC: HP4338B or CHEN HWA 502

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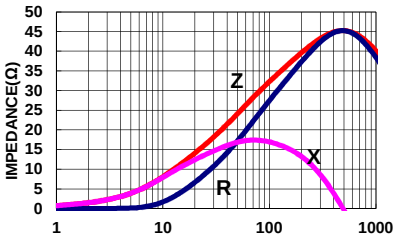
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AEC-Q200

ABUP00160808 Type

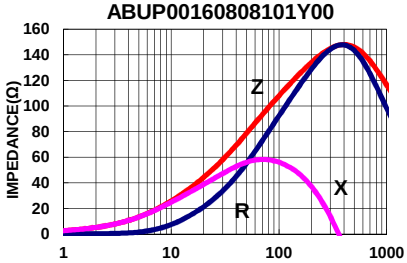
■ Characteristics Graph

ABUP00160808300Y00



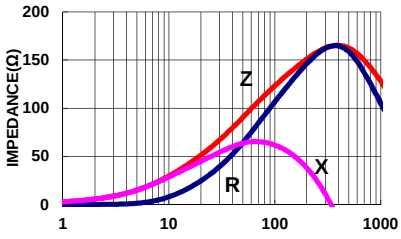
RDC<0.015 Ω Rated Current :4500 mA

ABUP00160808101Y00



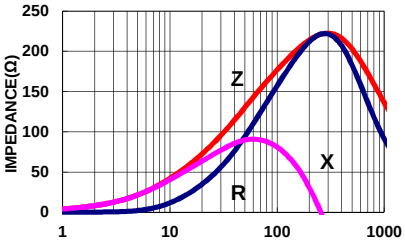
RDC<0.03 Ω Rated Current :3000 mA

ABUP00160808121Y00



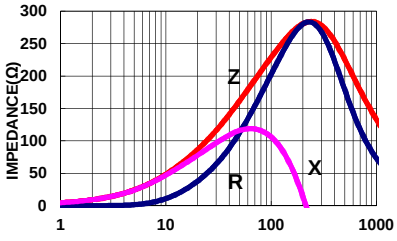
RDC<0.03 Ω Rated Current :3000 mA

ABUP00160808181Y00



RDC<0.05 Ω Rated Current :2000 mA

ABUP00160808221Y00



RDC<0.04 Ω Rated Current :2500 mA

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Pulse a YAGEO company

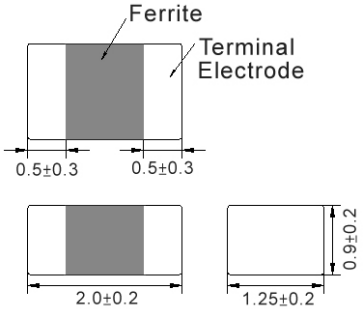
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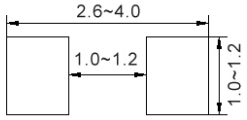
ABUP00201209 Type

■ Dimensions



unit:mm

■ Recommended Land Pattern



unit:mm

■ Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq.	RDC (Ω)Max.	Rated Current (mA)Max.
ABUP00201209220Y00	22	100 MHz,200 mV	0.012	6000
ABUP00201209300Y00	30	100 MHz,200 mV	0.012	6000
ABUP00201209500Y00	50	100 MHz,200 mV	0.015	6000
ABUP00201209600Y00	60	100 MHz,200 mV	0.018	6000
ABUP00201209800Y00	80	100 MHz,200 mV	0.020	6000
ABUP00201209101Y00	100	100 MHz,200 mV	0.020	5000
ABUP00201209121Y00	120	100 MHz,200 mV	0.020	5000
ABUP00201209201Y00	200	100 MHz,200 mV	0.040	3000
ABUP00201209221Y00	220	100 MHz,200 mV	0.040	3000
ABUP00201209301Y00	300	100 MHz,200 mV	0.050	3000
ABUP00201209331Y00	330	100 MHz,200 mV	0.050	3000

Note: When ordering, please specify tolerance code. Tolerance: Y=±25%

1. Operating temperature range - 55℃ ~ 125℃
2. Rate Current：Applied the current to coils, the temperature rise shall not be more than 30℃
3. Measure Equipment:
   Z: HP4291A
   RDC: HP4338B or CHEN HWA 502

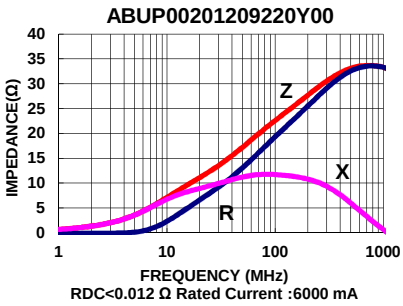
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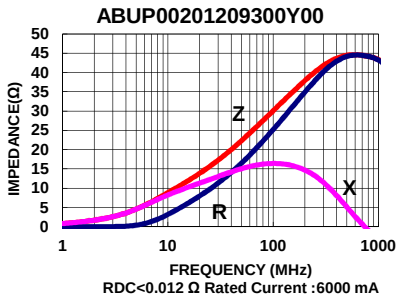
Chip Bead ABUP Series

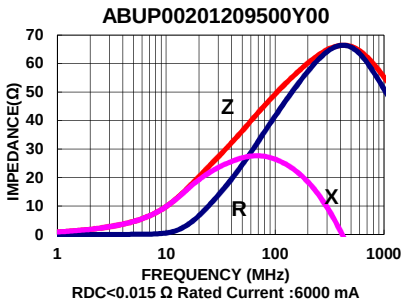
Automotive
AEC-Q200

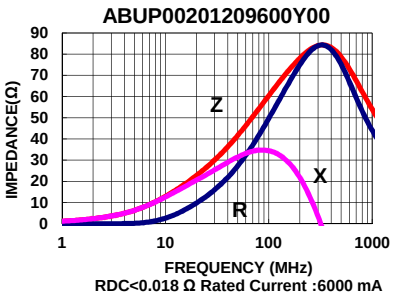
ABUP00201209 Type

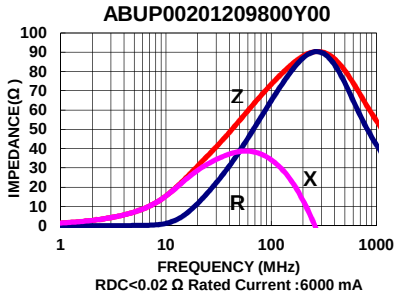
■ Characteristics Graph

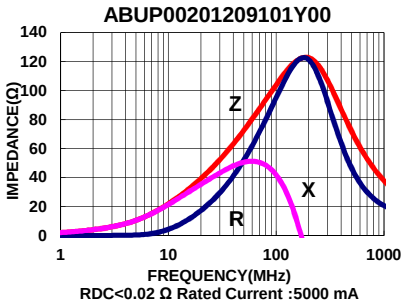


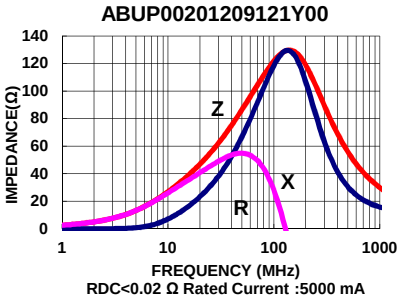


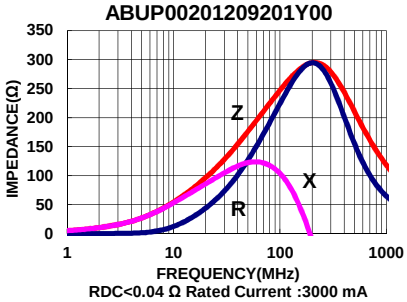


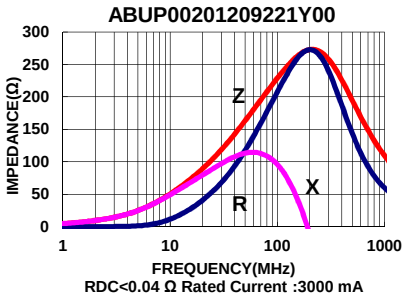


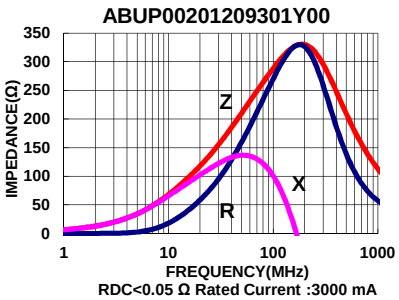


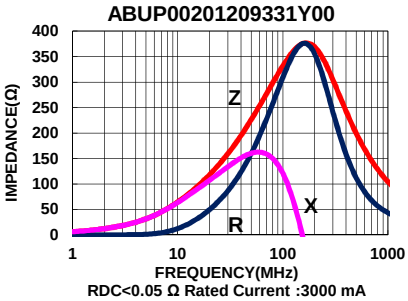












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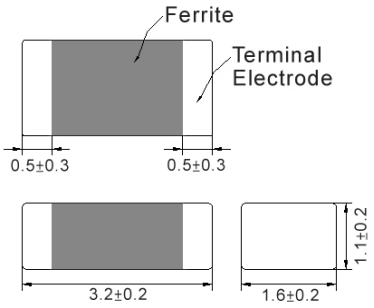
CHILISIN ELECTRONICS CORP.

Chip Bead ABUP Series

Automotive AEC-Q200

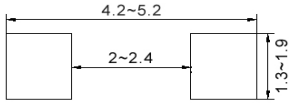
ABUP00321611 Type

■ Dimensions



unit:mm

■ Recommended Land Pattern



unit:mm

■ Electrical Characteristics

Part No.	Impedance (Ω)	Test Freq.	RDC (Ω)Max.	Rated Current (mA)Max.
ABUP00321611300Y00	30	100 MHz,200 mV	0.012	6000
ABUP00321611600Y00	60	100 MHz,200 mV	0.012	6000
ABUP00321611800Y00	80	100 MHz,200 mV	0.012	6000
ABUP00321611101Y00	100	100 MHz,200 mV	0.012	6000
ABUP00321611121Y00	120	100 MHz,200 mV	0.012	6000
ABUP00321611151Y00	150	100 MHz,200 mV	0.020	4500
ABUP00321611181Y00	180	100 MHz,200 mV	0.020	4500
ABUP00321611221Y00	220	100 MHz,200 mV	0.020	4500

Note: When ordering, please specify tolerance code. Tolerance: Y=±25%

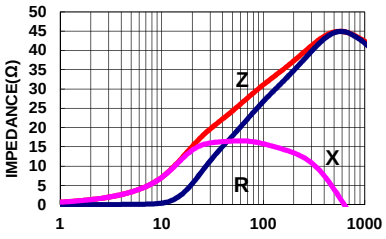
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2. Rate Current：Applied the current to coils, the temperature rise shall not be more than 30℃
3. Measure Equipment:
   Z: HP4291A
   RDC: HP4338B or CHEN HWA 502

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ABUP00321611 Type

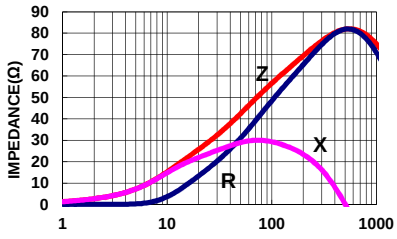
■ Characteristics Graph

ABUP00321611300Y00



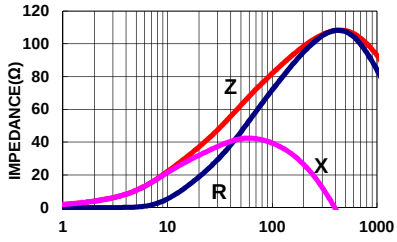
FREQUENCY (MHz)
RDC<0.012 Ω Rated Current :6000 mA

ABUP00321611600Y00



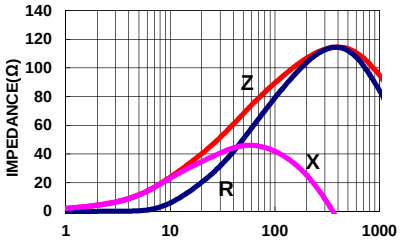
FREQUENCY (MHz)
RDC<0.012 Ω Rated Current :6000 mA

ABUP00321611800Y00



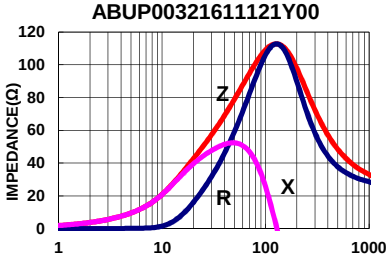
FREQUENCY (MHz)
RDC<0.012 Ω Rated Current :6000 mA

ABUP00321611101Y00



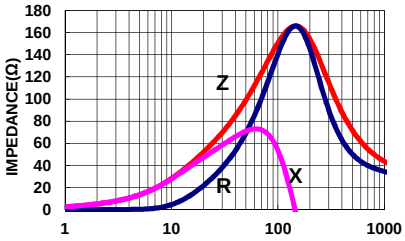
FREQUENCY (MHz)
RDC<0.012 Ω Rated Current :6000 mA

ABUP00321611121Y00



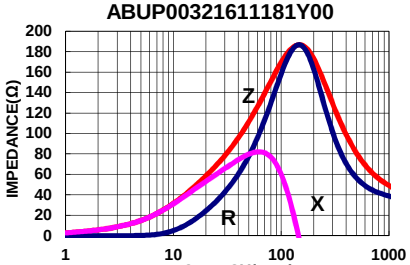
FREQUENCY (MHz)
RDC<0.012 Ω Rated Current :6000 mA

ABUP00321611151Y00



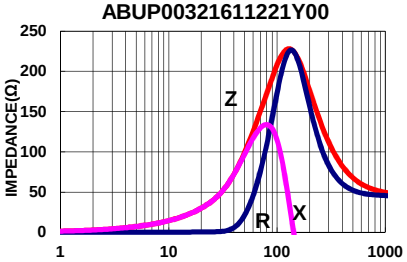
FREQUENCY (MHz)
RDC<0.02 Ω Rated Current :4500 mA

ABUP00321611181Y00



FREQUENCY(MHz)
RDC<0.02 Ω Rated Current :4500 mA

ABUP00321611221Y00



FREQUENCY(MHz)
RDC<0.02 Ω Rated Current :4500 mA

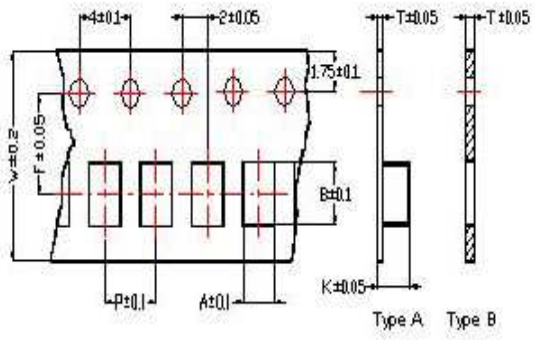
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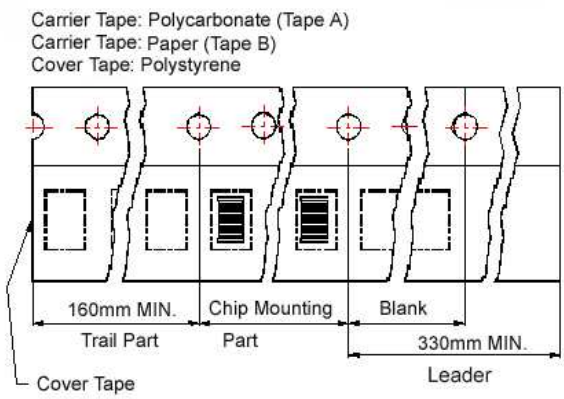
Automotive
AEC-Q200

Packaging

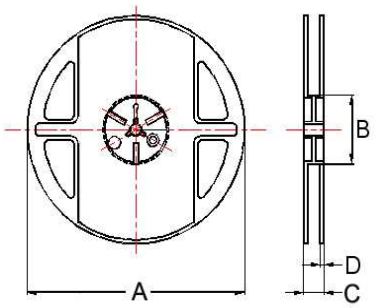
Tape Dimensions



Tape Material



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions								Reel Dimensions				Quantity
	A	B	T	W	P	F	K	Tape	A	B	C	D	PCS / Reel
ABUP00100505	0.62	1.12	0.60	8	2	3.5	-	B	178	60	12	2	10000
ABUP00160808	1.05	1.85	0.95	8	4	3.5	-	B	178	60	12	2	4000
ABUP00201209	1.50	2.30	0.97	8	4	3.5	-	B	178	60	12	2	4000
ABUP00321611	1.88	3.50	0.22	8	4	3.5	1.27	A	178	60	12	2	3000

Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

Unikeyic Electronics

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Click to view pricing, inventory, delivery, and lifecycle information:

Pulse Electronics:

E5J88-032-02-L JXD2-0Z10NL PA2744NL PA4341.221NLT W1902 W3078 PA0369NL PA4320.104NLT AWCS0012070736NJ00 BBUP00201209121Y00 BSPQ000603043N0B00 PE-67100NL PGL6395.121HLT PA4343.451NLT PG2290.151HLT ANT1204F007R0870A BDHE002520122R2MQ1 BSPQ000603041N4B00 PA4343.361NLT DPX1608LKF3R2460A PA4341.301NLT PD617-6000M243 P0585NL PAT6261.003NLT PE-68386NLT W1093 W3334B0150 JXD0-2015NL PA4320.334NLT PD380-4000S1NF