



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Metallized Polypropylene Capacitors (MKP/MFP)

Series/Type: **B32612 ... B32614**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612J1682K289		2015-07-24	2016-01-31	2016-07-31
B32612J1682K189		2015-07-24	2016-01-31	2016-07-31
B32612J1682K020		2015-07-24	2016-01-31	2016-07-31



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612J1682K010		2015-07-24	2016-01-31	2016-07-31
B32612J1682K008		2015-07-24	2016-01-31	2016-07-31
B32612J1682J289		2015-07-24	2016-01-31	2016-07-31
B32612J1682J189		2015-07-24	2016-01-31	2016-07-31
B32612J1682J020		2015-07-24	2016-01-31	2016-07-31
B32612J1682J010		2015-07-24	2016-01-31	2016-07-31
B32612J1682J008		2015-07-24	2016-01-31	2016-07-31
B32612J1472K289		2015-07-24	2016-01-31	2016-07-31
B32612J1472K189		2015-07-24	2016-01-31	2016-07-31
B32612J1472K020		2015-07-24	2016-01-31	2016-07-31
B32612J1472K010		2015-07-24	2016-01-31	2016-07-31
B32612J1472K008		2015-07-24	2016-01-31	2016-07-31
B32612J1472J289		2015-07-24	2016-01-31	2016-07-31
B32612J1472J189		2015-07-24	2016-01-31	2016-07-31
B32612J1472J020		2015-07-24	2016-01-31	2016-07-31
B32612J1472J010		2015-07-24	2016-01-31	2016-07-31
B32612J1472J008		2015-07-24	2016-01-31	2016-07-31
B32612J1332K289		2015-07-24	2016-01-31	2016-07-31
B32612J1332K189		2015-07-24	2016-01-31	2016-07-31
B32612J1332K020		2015-07-24	2016-01-31	2016-07-31
B32612J1332K010		2015-07-24	2016-01-31	2016-07-31
B32612J1332K008		2015-07-24	2016-01-31	2016-07-31
B32612J1332J289		2015-07-24	2016-01-31	2016-07-31
B32612J1332J189		2015-07-24	2016-01-31	2016-07-31
B32612J1332J020		2015-07-24	2016-01-31	2016-07-31
B32612J1332J010		2015-07-24	2016-01-31	2016-07-31
B32612J1332J008		2015-07-24	2016-01-31	2016-07-31
B32612J1103K289		2015-07-24	2016-01-31	2016-07-31
B32612J1103K189		2015-07-24	2016-01-31	2016-07-31
B32612J1103K020		2015-07-24	2016-01-31	2016-07-31
B32612J1103K010		2015-07-24	2016-01-31	2016-07-31
B32612J1103K008		2015-07-24	2016-01-31	2016-07-31
B32612J1103J289		2015-07-24	2016-01-31	2016-07-31
B32612J1103J189		2015-07-24	2016-01-31	2016-07-31
B32612J1103J020		2015-07-24	2016-01-31	2016-07-31
B32612J1103J010		2015-07-24	2016-01-31	2016-07-31
B32612J1103J008		2015-07-24	2016-01-31	2016-07-31
B32612A7682K289		2015-07-24	2016-01-31	2016-07-31



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612A7682K189		2015-07-24	2016-01-31	2016-07-31
B32612A7682K020		2015-07-24	2016-01-31	2016-07-31
B32612A7682K010		2015-07-24	2016-01-31	2016-07-31
B32612A7682K008		2015-07-24	2016-01-31	2016-07-31
B32612A7682J289		2015-07-24	2016-01-31	2016-07-31
B32612A7682J189		2015-07-24	2016-01-31	2016-07-31
B32612A7682J020		2015-07-24	2016-01-31	2016-07-31
B32612A7682J010		2015-07-24	2016-01-31	2016-07-31
B32612A7682J008		2015-07-24	2016-01-31	2016-07-31
B32612A7333K289		2015-07-24	2016-01-31	2016-07-31
B32612A7333K189		2015-07-24	2016-01-31	2016-07-31
B32612A7333K020		2015-07-24	2016-01-31	2016-07-31
B32612A7333K010		2015-07-24	2016-01-31	2016-07-31
B32612A7333K008		2015-07-24	2016-01-31	2016-07-31
B32612A7333J289		2015-07-24	2016-01-31	2016-07-31
B32612A7333J189		2015-07-24	2016-01-31	2016-07-31
B32612A7333J020		2015-07-24	2016-01-31	2016-07-31
B32612A7333J010		2015-07-24	2016-01-31	2016-07-31
B32612A7333J008		2015-07-24	2016-01-31	2016-07-31
B32612A7223K289		2015-07-24	2016-01-31	2016-07-31
B32612A7223K189		2015-07-24	2016-01-31	2016-07-31
B32612A7223K020		2015-07-24	2016-01-31	2016-07-31
B32612A7223K010		2015-07-24	2016-01-31	2016-07-31
B32612A7223K008		2015-07-24	2016-01-31	2016-07-31
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B32612A7223J189		2015-07-24	2016-01-31	2016-07-31
B32612A7223J020		2015-07-24	2016-01-31	2016-07-31
B32612A7223J010		2015-07-24	2016-01-31	2016-07-31
B32612A7223J008		2015-07-24	2016-01-31	2016-07-31
B32612A7153K289		2015-07-24	2016-01-31	2016-07-31
B32612A7153K189		2015-07-24	2016-01-31	2016-07-31
B32612A7153K020		2015-07-24	2016-01-31	2016-07-31
B32612A7153K010		2015-07-24	2016-01-31	2016-07-31
B32612A7153K008		2015-07-24	2016-01-31	2016-07-31
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B32612A7153J189		2015-07-24	2016-01-31	2016-07-31
B32612A7153J020		2015-07-24	2016-01-31	2016-07-31
B32612A7153J010		2015-07-24	2016-01-31	2016-07-31



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612A7153J008		2015-07-24	2016-01-31	2016-07-31
B32612A7103K289		2015-07-24	2016-01-31	2016-07-31
B32612A7103K189		2015-07-24	2016-01-31	2016-07-31
B32612A7103K020		2015-07-24	2016-01-31	2016-07-31
B32612A7103K010		2015-07-24	2016-01-31	2016-07-31
B32612A7103K008		2015-07-24	2016-01-31	2016-07-31
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B32612A7103J189		2015-07-24	2016-01-31	2016-07-31
B32612A7103J020		2015-07-24	2016-01-31	2016-07-31
B32612A7103J010		2015-07-24	2016-01-31	2016-07-31
B32612A7103J008		2015-07-24	2016-01-31	2016-07-31
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B32612A6683K189		2015-07-24	2016-01-31	2016-07-31
B32612A6683K020		2015-07-24	2016-01-31	2016-07-31
B32612A6683K010		2015-07-24	2016-01-31	2016-07-31
B32612A6683K008		2015-07-24	2016-01-31	2016-07-31
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B32612A6683J189		2015-07-24	2016-01-31	2016-07-31
B32612A6683J020		2015-07-24	2016-01-31	2016-07-31
B32612A6683J010		2015-07-24	2016-01-31	2016-07-31
B32612A6683J008		2015-07-24	2016-01-31	2016-07-31
B32612A6224K289		2015-07-24	2016-01-31	2016-07-31
B32612A6224K189		2015-07-24	2016-01-31	2016-07-31
B32612A6224K020		2015-07-24	2016-01-31	2016-07-31
B32612A6224K010		2015-07-24	2016-01-31	2016-07-31
B32612A6224K008		2015-07-24	2016-01-31	2016-07-31
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B32612A6224J189		2015-07-24	2016-01-31	2016-07-31
B32612A6224J020		2015-07-24	2016-01-31	2016-07-31
B32612A6224J010		2015-07-24	2016-01-31	2016-07-31
B32612A6224J008		2015-07-24	2016-01-31	2016-07-31
B32612A6154K289		2015-07-24	2016-01-31	2016-07-31
B32612A6154K189		2015-07-24	2016-01-31	2016-07-31
B32612A6154K020		2015-07-24	2016-01-31	2016-07-31
B32612A6154K010		2015-07-24	2016-01-31	2016-07-31
B32612A6154K008		2015-07-24	2016-01-31	2016-07-31
B32612A6154J289		2015-07-24	2016-01-31	2016-07-31
B32612A6154J189		2015-07-24	2016-01-31	2016-07-31



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612A6154J020		2015-07-24	2016-01-31	2016-07-31
B32612A6154J010		2015-07-24	2016-01-31	2016-07-31
B32612A6154J008		2015-07-24	2016-01-31	2016-07-31
B32612A6104K289		2015-07-24	2016-01-31	2016-07-31
B32612A6104K189		2015-07-24	2016-01-31	2016-07-31
B32612A6104K020		2015-07-24	2016-01-31	2016-07-31
B32612A6104K010		2015-07-24	2016-01-31	2016-07-31
B32612A6104K008		2015-07-24	2016-01-31	2016-07-31
B32612A6104J289		2015-07-24	2016-01-31	2016-07-31
B32612A6104J189		2015-07-24	2016-01-31	2016-07-31
B32612A6104J020		2015-07-24	2016-01-31	2016-07-31
B32612A6104J010		2015-07-24	2016-01-31	2016-07-31
B32612A6104J008		2015-07-24	2016-01-31	2016-07-31
B32612A4683K289		2015-07-24	2016-01-31	2016-07-31
B32612A4683K189		2015-07-24	2016-01-31	2016-07-31
B32612A4683K020		2015-07-24	2016-01-31	2016-07-31
B32612A4683K010		2015-07-24	2016-01-31	2016-07-31
B32612A4683K008		2015-07-24	2016-01-31	2016-07-31
B32612A4683J289		2015-07-24	2016-01-31	2016-07-31
B32612A4683J189		2015-07-24	2016-01-31	2016-07-31
B32612A4683J020		2015-07-24	2016-01-31	2016-07-31
B32612A4683J010		2015-07-24	2016-01-31	2016-07-31
B32612A4683J008		2015-07-24	2016-01-31	2016-07-31
B32612A4474K289		2015-07-24	2016-01-31	2016-07-31
B32612A4474K189		2015-07-24	2016-01-31	2016-07-31
B32612A4474K020		2015-07-24	2016-01-31	2016-07-31
B32612A4474K010		2015-07-24	2016-01-31	2016-07-31
B32612A4474K008		2015-07-24	2016-01-31	2016-07-31
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B32612A4474J189		2015-07-24	2016-01-31	2016-07-31
B32612A4474J020		2015-07-24	2016-01-31	2016-07-31
B32612A4474J010		2015-07-24	2016-01-31	2016-07-31
B32612A4474J008		2015-07-24	2016-01-31	2016-07-31
B32612A4334K289		2015-07-24	2016-01-31	2016-07-31
B32612A4334K189		2015-07-24	2016-01-31	2016-07-31
B32612A4334K020		2015-07-24	2016-01-31	2016-07-31
B32612A4334K010		2015-07-24	2016-01-31	2016-07-31
B32612A4334K008		2015-07-24	2016-01-31	2016-07-31



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612A4334J289		2015-07-24	2016-01-31	2016-07-31
B32612A4334J189		2015-07-24	2016-01-31	2016-07-31
B32612A4334J020		2015-07-24	2016-01-31	2016-07-31
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B32612A4334J008		2015-07-24	2016-01-31	2016-07-31
B32612A4224K289		2015-07-24	2016-01-31	2016-07-31
B32612A4224K189		2015-07-24	2016-01-31	2016-07-31
B32612A4224K020		2015-07-24	2016-01-31	2016-07-31
B32612A4224K010		2015-07-24	2016-01-31	2016-07-31
B32612A4224K008		2015-07-24	2016-01-31	2016-07-31
B32612A4224J289		2015-07-24	2016-01-31	2016-07-31
B32612A4224J189		2015-07-24	2016-01-31	2016-07-31
B32612A4224J020		2015-07-24	2016-01-31	2016-07-31
B32612A4224J010		2015-07-24	2016-01-31	2016-07-31
B32612A4224J008		2015-07-24	2016-01-31	2016-07-31
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B32612A4154K189		2015-07-24	2016-01-31	2016-07-31
B32612A4154K020		2015-07-24	2016-01-31	2016-07-31
B32612A4154K010		2015-07-24	2016-01-31	2016-07-31
B32612A4154K008		2015-07-24	2016-01-31	2016-07-31
B32612A4154J289		2015-07-24	2016-01-31	2016-07-31
B32612A4154J189		2015-07-24	2016-01-31	2016-07-31
B32612A4154J020		2015-07-24	2016-01-31	2016-07-31
B32612A4154J010		2015-07-24	2016-01-31	2016-07-31
B32612A4154J008		2015-07-24	2016-01-31	2016-07-31
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B32612A4104K189		2015-07-24	2016-01-31	2016-07-31
B32612A4104K020		2015-07-24	2016-01-31	2016-07-31
B32612A4104K010		2015-07-24	2016-01-31	2016-07-31
B32612A4104K008		2015-07-24	2016-01-31	2016-07-31
B32612A4104J289		2015-07-24	2016-01-31	2016-07-31
B32612A4104J189		2015-07-24	2016-01-31	2016-07-31
B32612A4104J020		2015-07-24	2016-01-31	2016-07-31
B32612A4104J010		2015-07-24	2016-01-31	2016-07-31
B32612A4104J008		2015-07-24	2016-01-31	2016-07-31
B32612A3684K289		2015-07-24	2016-01-31	2016-07-31
B32612A3684K189		2015-07-24	2016-01-31	2016-07-31
B32612A3684K020		2015-07-24	2016-01-31	2016-07-31



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612A3684K010		2015-07-24	2016-01-31	2016-07-31
B32612A3684K008		2015-07-24	2016-01-31	2016-07-31
B32612A3684J289		2015-07-24	2016-01-31	2016-07-31
B32612A3684J189		2015-07-24	2016-01-31	2016-07-31
B32612A3684J020		2015-07-24	2016-01-31	2016-07-31
B32612A3684J010		2015-07-24	2016-01-31	2016-07-31
B32612A3684J008		2015-07-24	2016-01-31	2016-07-31
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B32612A3474K020		2015-07-24	2016-01-31	2016-07-31
B32612A3474K010		2015-07-24	2016-01-31	2016-07-31
B32612A3474K008		2015-07-24	2016-01-31	2016-07-31
B32612A3474J289		2015-07-24	2016-01-31	2016-07-31
B32612A3474J189		2015-07-24	2016-01-31	2016-07-31
B32612A3474J020		2015-07-24	2016-01-31	2016-07-31
B32612A3474J010		2015-07-24	2016-01-31	2016-07-31
B32612A3474J008		2015-07-24	2016-01-31	2016-07-31
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B32612A3334K189		2015-07-24	2016-01-31	2016-07-31
B32612A3334K020		2015-07-24	2016-01-31	2016-07-31
B32612A3334K010		2015-07-24	2016-01-31	2016-07-31
B32612A3334K008		2015-07-24	2016-01-31	2016-07-31
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B32612A3334J189		2015-07-24	2016-01-31	2016-07-31
B32612A3334J020		2015-07-24	2016-01-31	2016-07-31
B32612A3334J010		2015-07-24	2016-01-31	2016-07-31
B32612A3334J008		2015-07-24	2016-01-31	2016-07-31
B32612A3224K289		2015-07-24	2016-01-31	2016-07-31
B32612A3224K189		2015-07-24	2016-01-31	2016-07-31
B32612A3224K020		2015-07-24	2016-01-31	2016-07-31
B32612A3224K010		2015-07-24	2016-01-31	2016-07-31
B32612A3224K008		2015-07-24	2016-01-31	2016-07-31
B32612A3224J289		2015-07-24	2016-01-31	2016-07-31
B32612A3224J189		2015-07-24	2016-01-31	2016-07-31
B32612A3224J020		2015-07-24	2016-01-31	2016-07-31
B32612A3224J010		2015-07-24	2016-01-31	2016-07-31
B32612A3224J008		2015-07-24	2016-01-31	2016-07-31
B32612A3154K289		2015-07-24	2016-01-31	2016-07-31



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612A3154K189		2015-07-24	2016-01-31	2016-07-31
B32612A3154K020		2015-07-24	2016-01-31	2016-07-31
B32612A3154K010		2015-07-24	2016-01-31	2016-07-31
B32612A3154K008		2015-07-24	2016-01-31	2016-07-31
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B32612A2472K189		2015-07-24	2016-01-31	2016-07-31
B32612A2472K020		2015-07-24	2016-01-31	2016-07-31
B32612A2472K010		2015-07-24	2016-01-31	2016-07-31
B32612A2472K008		2015-07-24	2016-01-31	2016-07-31
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B32612A2472J189		2015-07-24	2016-01-31	2016-07-31
B32612A2472J020		2015-07-24	2016-01-31	2016-07-31
B32612A2472J010		2015-07-24	2016-01-31	2016-07-31
B32612A2472J008		2015-07-24	2016-01-31	2016-07-31
B32612A2332K289		2015-07-24	2016-01-31	2016-07-31
B32612A2332K189		2015-07-24	2016-01-31	2016-07-31
B32612A2332K020		2015-07-24	2016-01-31	2016-07-31
B32612A2332K010		2015-07-24	2016-01-31	2016-07-31
B32612A2332K008		2015-07-24	2016-01-31	2016-07-31
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B32612A2332J189		2015-07-24	2016-01-31	2016-07-31
B32612A2332J020		2015-07-24	2016-01-31	2016-07-31
B32612A2332J010		2015-07-24	2016-01-31	2016-07-31
B32612A2332J008		2015-07-24	2016-01-31	2016-07-31
B32612A2222K289		2015-07-24	2016-01-31	2016-07-31
B32612A2222K189		2015-07-24	2016-01-31	2016-07-31
B32612A2222K020		2015-07-24	2016-01-31	2016-07-31
B32612A2222K010		2015-07-24	2016-01-31	2016-07-31
B32612A2222K008		2015-07-24	2016-01-31	2016-07-31
B32612A2222J289		2015-07-24	2016-01-31	2016-07-31
B32612A2222J189		2015-07-24	2016-01-31	2016-07-31
B32612A2222J020		2015-07-24	2016-01-31	2016-07-31
B32612A2222J010		2015-07-24	2016-01-31	2016-07-31



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612A2222J008		2015-07-24	2016-01-31	2016-07-31
B32612A2152K289		2015-07-24	2016-01-31	2016-07-31
B32612A2152K189		2015-07-24	2016-01-31	2016-07-31
B32612A2152K020		2015-07-24	2016-01-31	2016-07-31
B32612A2152K010		2015-07-24	2016-01-31	2016-07-31
B32612A2152K008		2015-07-24	2016-01-31	2016-07-31
B32612A2152J289		2015-07-24	2016-01-31	2016-07-31
B32612A2152J189		2015-07-24	2016-01-31	2016-07-31
B32612A2152J020		2015-07-24	2016-01-31	2016-07-31
B32612A2152J010		2015-07-24	2016-01-31	2016-07-31
B32612A2152J008		2015-07-24	2016-01-31	2016-07-31
B32612A2102K289		2015-07-24	2016-01-31	2016-07-31
B32612A2102K189		2015-07-24	2016-01-31	2016-07-31
B32612A2102K020		2015-07-24	2016-01-31	2016-07-31
B32612A2102K010		2015-07-24	2016-01-31	2016-07-31
B32612A2102K008		2015-07-24	2016-01-31	2016-07-31
B32612A2102J289		2015-07-24	2016-01-31	2016-07-31
B32612A2102J189		2015-07-24	2016-01-31	2016-07-31
B32612A2102J020		2015-07-24	2016-01-31	2016-07-31
B32612A2102J010		2015-07-24	2016-01-31	2016-07-31
B32612A2102J008		2015-07-24	2016-01-31	2016-07-31
B32612A1682K289		2015-07-24	2016-01-31	2016-07-31
B32612A1682K189		2015-07-24	2016-01-31	2016-07-31
B32612A1682K020		2015-07-24	2016-01-31	2016-07-31
B32612A1682K010		2015-07-24	2016-01-31	2016-07-31
B32612A1682K008		2015-07-24	2016-01-31	2016-07-31
B32612A1682J289		2015-07-24	2016-01-31	2016-07-31
B32612A1682J189		2015-07-24	2016-01-31	2016-07-31
B32612A1682J020		2015-07-24	2016-01-31	2016-07-31
B32612A1682J010		2015-07-24	2016-01-31	2016-07-31
B32612A1682J008		2015-07-24	2016-01-31	2016-07-31
B32612A1472K289		2015-07-24	2016-01-31	2016-07-31
B32612A1472K189		2015-07-24	2016-01-31	2016-07-31
B32612A1472K020		2015-07-24	2016-01-31	2016-07-31
B32612A1472K010		2015-07-24	2016-01-31	2016-07-31
B32612A1472K008		2015-07-24	2016-01-31	2016-07-31
B32612A1472J289		2015-07-24	2016-01-31	2016-07-31
B32612A1472J189		2015-07-24	2016-01-31	2016-07-31



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612A1472J020		2015-07-24	2016-01-31	2016-07-31
B32612A1472J010		2015-07-24	2016-01-31	2016-07-31
B32612A1472J008		2015-07-24	2016-01-31	2016-07-31
B32612A1153K289		2015-07-24	2016-01-31	2016-07-31
B32612A1153K189		2015-07-24	2016-01-31	2016-07-31
B32612A1153K020		2015-07-24	2016-01-31	2016-07-31
B32612A1153K010		2015-07-24	2016-01-31	2016-07-31
B32612A1153K008		2015-07-24	2016-01-31	2016-07-31
B32612A1153J289		2015-07-24	2016-01-31	2016-07-31
B32612A1153J189		2015-07-24	2016-01-31	2016-07-31
B32612A1153J020		2015-07-24	2016-01-31	2016-07-31
B32612A1153J010		2015-07-24	2016-01-31	2016-07-31
B32612A1153J008		2015-07-24	2016-01-31	2016-07-31
B32612A1103K289		2015-07-24	2016-01-31	2016-07-31
B32612A1103K189		2015-07-24	2016-01-31	2016-07-31
B32612A1103K020		2015-07-24	2016-01-31	2016-07-31
B32612A1103K010		2015-07-24	2016-01-31	2016-07-31
B32612A1103K008		2015-07-24	2016-01-31	2016-07-31
B32612A1103J289		2015-07-24	2016-01-31	2016-07-31
B32612A1103J189		2015-07-24	2016-01-31	2016-07-31
B32612A1103J020		2015-07-24	2016-01-31	2016-07-31
B32612A1103J010		2015-07-24	2016-01-31	2016-07-31
B32612A1103J008		2015-07-24	2016-01-31	2016-07-31
B32612A0683K289		2015-07-24	2016-01-31	2016-07-31
B32612A0683K189		2015-07-24	2016-01-31	2016-07-31
B32612A0683K020		2015-07-24	2016-01-31	2016-07-31
B32612A0683K010		2015-07-24	2016-01-31	2016-07-31
B32612A0683K008		2015-07-24	2016-01-31	2016-07-31
B32612A0683J289		2015-07-24	2016-01-31	2016-07-31
B32612A0683J189		2015-07-24	2016-01-31	2016-07-31
B32612A0683J020		2015-07-24	2016-01-31	2016-07-31
B32612A0683J010		2015-07-24	2016-01-31	2016-07-31
B32612A0683J008		2015-07-24	2016-01-31	2016-07-31
B32612A0473K289		2015-07-24	2016-01-31	2016-07-31
B32612A0473K189		2015-07-24	2016-01-31	2016-07-31
B32612A0473K020		2015-07-24	2016-01-31	2016-07-31
B32612A0473K010		2015-07-24	2016-01-31	2016-07-31
B32612A0473K008		2015-07-24	2016-01-31	2016-07-31



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612A0473J289		2015-07-24	2016-01-31	2016-07-31
B32612A0473J189		2015-07-24	2016-01-31	2016-07-31
B32612A0473J020		2015-07-24	2016-01-31	2016-07-31
B32612A0473J010		2015-07-24	2016-01-31	2016-07-31
B32612A0473J008		2015-07-24	2016-01-31	2016-07-31
B32612A0333K289		2015-07-24	2016-01-31	2016-07-31
B32612A0333K189		2015-07-24	2016-01-31	2016-07-31
B32612A0333K020		2015-07-24	2016-01-31	2016-07-31
B32612A0333K010		2015-07-24	2016-01-31	2016-07-31
B32612A0333K008		2015-07-24	2016-01-31	2016-07-31
B32612A0333J289		2015-07-24	2016-01-31	2016-07-31
B32612A0333J189		2015-07-24	2016-01-31	2016-07-31
B32612A0333J020		2015-07-24	2016-01-31	2016-07-31
B32612A0333J010		2015-07-24	2016-01-31	2016-07-31
B32612A0333J008		2015-07-24	2016-01-31	2016-07-31
B32612A0223K289		2015-07-24	2016-01-31	2016-07-31
B32612A0223K189		2015-07-24	2016-01-31	2016-07-31
B32612A0223K020		2015-07-24	2016-01-31	2016-07-31
B32612A0223K010		2015-07-24	2016-01-31	2016-07-31
B32612A0223K008		2015-07-24	2016-01-31	2016-07-31
B32612A0223J289		2015-07-24	2016-01-31	2016-07-31
B32612A0223J189		2015-07-24	2016-01-31	2016-07-31
B32612A0223J020		2015-07-24	2016-01-31	2016-07-31
B32612A0223J010		2015-07-24	2016-01-31	2016-07-31
B32612A0223J008		2015-07-24	2016-01-31	2016-07-31
B32612A0153K289		2015-07-24	2016-01-31	2016-07-31
B32612A0153K189		2015-07-24	2016-01-31	2016-07-31
B32612A0153K020		2015-07-24	2016-01-31	2016-07-31
B32612A0153K010		2015-07-24	2016-01-31	2016-07-31
B32612A0153K008		2015-07-24	2016-01-31	2016-07-31
B32612A0153J289		2015-07-24	2016-01-31	2016-07-31
B32612A0153J189		2015-07-24	2016-01-31	2016-07-31
B32612A0153J020		2015-07-24	2016-01-31	2016-07-31
B32612A0153J010		2015-07-24	2016-01-31	2016-07-31
B32612A0153J008		2015-07-24	2016-01-31	2016-07-31
B32612A0104K289		2015-07-24	2016-01-31	2016-07-31
B32612A0104K189		2015-07-24	2016-01-31	2016-07-31
B32612A0104K020		2015-07-24	2016-01-31	2016-07-31



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B32612A0104K010		2015-07-24	2016-01-31	2016-07-31
B32612A0104K008		2015-07-24	2016-01-31	2016-07-31
B32612A0104J289		2015-07-24	2016-01-31	2016-07-31
B32612A0104J189		2015-07-24	2016-01-31	2016-07-31
B32612A0104J020		2015-07-24	2016-01-31	2016-07-31
B32612A0104J010		2015-07-24	2016-01-31	2016-07-31
B32612A0104J008		2015-07-24	2016-01-31	2016-07-31
B32612A0103K289		2015-07-24	2016-01-31	2016-07-31
B32612A0103K189		2015-07-24	2016-01-31	2016-07-31
B32612A0103K020		2015-07-24	2016-01-31	2016-07-31
B32612A0103K010		2015-07-24	2016-01-31	2016-07-31
B32612A0103K008		2015-07-24	2016-01-31	2016-07-31
B32612A0103J289		2015-07-24	2016-01-31	2016-07-31
B32612A0103J189		2015-07-24	2016-01-31	2016-07-31
B32612A0103J020		2015-07-24	2016-01-31	2016-07-31
B32612A0103J010		2015-07-24	2016-01-31	2016-07-31
B32612A0103J008		2015-07-24	2016-01-31	2016-07-31

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.epcos.com/sales.

High pulse (wound)**Typical applications**

- Electronic ballasts
- Switch-mode power supplies

Climatic

- Max. operating temperature: 110 °C
- Climatic category (IEC 60068-1): 55/100/56

Construction

- Dielectric: polypropylene (PP)
- Wound capacitor technology
- Epoxy resin coating (UL 94 V-0)

Features

- Very high pulse strength
- RoHS-compatible

Terminals

- Crimped wire leads, lead-free tinned, lead length (6 – 1) mm
- Double crimped wire leads, lead-free tinned
- Straight wire leads, lead-free tinned, lead length (17 ±3) mm
- Different lead spacings (reduced and enlarged) available, lead length (6 – 1) mm

Marking

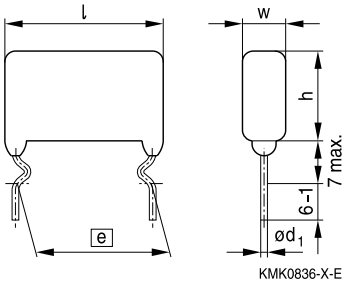
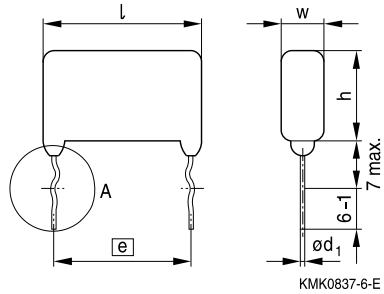
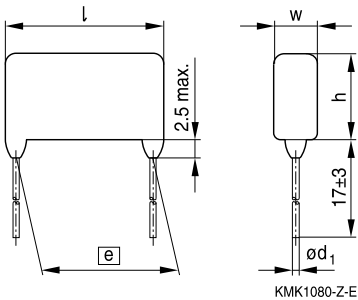
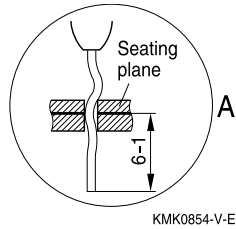
Manufacturer's logo, style and type (P61x), rated capacitance (coded), capacitance tolerance (code letter), rated DC voltage, date of manufacture (code)

Delivery mode

Bulk (untaped)

Taped (Ammo pack or reel)

For notes on taping, refer to chapter "Taping and packing".

Dimensional drawings
Crimped leads

Double crimped leads

Straight leads

Detail of double crimped version

Dimensions in mm

Lead spacing	Lead diameter	Type
$\boxed{e} \pm 0.8$	d_1	
15.0	0.8	B32612
22.5	0.8	B32613
27.5	0.8	B32614



B32612 ... B32614

High pulse (wound)

Overview of available types

Lead spacing	15.0 mm							
Type	B32612							
Page	7							
V_R (V DC)	250	400	630	1000	1250	1600	1600	2000
V_{RMS} (V AC)	160	200	250	250	500	500	700	700
C_R (nF)								
1.0								
1.5								
2.2								
3.3								
4.7								
6.8								
10								
15								
22								
33								
47								
68								
100								
150								
220								
330								
470								
680								

Lead configurations

Serie	Standard	Reduced	Enlarged	Straight	Double crimped
B32612	15 mm	7.5 / 10 / 12.5 mm	17.5 mm	15 mm	15 mm
B32613	22.5 mm	15 / 17.5 / 20 mm	25 mm	22.5 mm	22.5 mm
B32614	27.5 mm	25 mm	–	27.5 mm	27.5 mm


Overview of available types

Lead spacing	22.5 mm						
Type	B32613						
Page	9						
V_R (V DC)	250	400	630	1000	1600	2000	2000
V_{RMS} (V AC)	160	200	250	250	500	700	1000
C_R (nF)							
3.3							
4.7							
6.8							
10							
15							
22							
33							
47							
68							
100							
150							
220							
330							
470							
680							
1000							

Lead configurations

Serie	Standard	Reduced	Enlarged	Straight	Double crimped
B32612	15 mm	7.5 / 10 / 12.5 mm	17.5 mm	15 mm	15 mm
B32613	22.5 mm	15 / 17.5 / 20 mm	25 mm	22.5 mm	22.5 mm
B32614	27.5 mm	25 mm	—	27.5 mm	27.5 mm



B32612 ... B32614

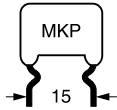
High pulse (wound)

Overview of available types

Lead spacing	27.5 mm					
Type	B32614					
Page	11					
V _R (V DC)	250	400	630	1000	1600	2000
V _{RMS} (V AC)	160	200	250	250	500	700
C _R (nF)						
10						
15						
22						
33						
47						
68						
100						
150						
220						
470						
680						
1000						
1500						
2200						

Lead configurations

Serie	Standard	Reduced	Enlarged	Straight	Double crimped
B32612	15 mm	7.5 / 10 / 12.5 mm	17.5 mm	15 mm	15 mm
B32613	22.5 mm	15 / 17.5 / 20 mm	25 mm	22.5 mm	22.5 mm
B32614	27.5 mm	25 mm	–	27.5 mm	27.5 mm


Ordering codes and packing units (lead spacing 15 mm)

V_R	V_{RMS} $f \leq 1$ kHz	C_R	Max. dimensions $w \times h \times l$ mm	Ordering code (composition see below)	Ammo pack pcs./MOQ	Reel pcs./ MOQ	Untaped pcs./ MOQ
V DC	V AC	nF					
250	160	150	6.5 × 12.5 × 18.0	B32612A3154+***	3400	4400	4000
		220	7.0 × 13.5 × 18.0	B32612A3224+***	3200	4000	4000
		330	8.0 × 14.5 × 18.0	B32612A3334+***	2800	3600	2000
		470	9.5 × 16.0 × 18.0	B32612A3474+***	2400	3200	2000
		680	11.5 × 17.5 × 18.0	B32612A3684+***	2000	2600	2000
400	200	68	6.5 × 12.0 × 18.0	B32612A4683+***	3400	4400	4000
		100	7.0 × 12.5 × 18.0	B32612A4104+***	3200	4000	4000
		150	7.5 × 12.5 × 18.0	B32612A4154+***	3000	4000	4000
		220	8.0 × 14.5 × 18.0	B32612A4224+***	2800	3600	2000
		330	9.5 × 16.0 × 18.0	B32612A4334+***	2400	3200	2000
		470	11.0 × 17.5 × 18.0	B32612A4474+***	2000	2600	2000
630	250	68	6.5 × 12.0 × 18.0	B32612A6683+***	3400	4400	4000
		100	7.5 × 13.0 × 18.0	B32612A6104+***	3000	4000	4000
		150	9.0 × 14.5 × 18.0	B32612A6154+***	2400	3200	2000
		220	10.0 × 16.5 × 18.0	B32612A6224+***	2200	3000	2000
1000	250	10	7.0 × 12.5 × 18.0	B32612A0103+***	3200	4000	4000
		15	8.0 × 13.5 × 18.0	B32612A0153+***	2800	3600	4000
		22	9.0 × 15.5 × 18.0	B32612A0223+***	2400	3200	4000
		33	6.5 × 13.0 × 18.0	B32612A0333+***	3400	4400	4000
		47	7.0 × 15.5 × 18.0	B32612A0473+***	3200	4000	4000
		68	8.5 × 16.5 × 18.0	B32612A0683+***	2600	3400	2000
		100	11.0 × 17.5 × 18.0	B32612A0104+***	2000	2600	2000

MOQ = Minimum Order Quantity, consisting of 4 packing units.

Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:

K = ±10%

J = ±5%

*** = Packaging code:

289 = Ammo pack

189 = Reel

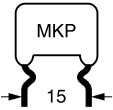
010 = Untaped crimped (lead length 6 – 1 mm)

008 = Untaped straight (lead length 17±3 mm)

020 = Double crimped (lead length 6 – 1 mm)

Packaging codes for further lead configurations (untaped):

Lead configuration (lead length 6 – 1 mm)	Reduced	Reduced	Reduced	Enlarged
Lead spacing (mm)	7.5 mm	10 mm	12.5 mm	17.5 mm
Packaging code	030	040	050	060


B32612
High pulse (wound)
Ordering codes and packing units (lead spacing 15 mm)

V_R	V_{RMS} $f \leq 1$ kHz	C_R	Max. dimensions $w \times h \times l$ mm	Ordering code (composition see below)	Ammo pack pcs./MOQ	Reel pcs./ MOQ	Untaped pcs./ MOQ
V DC	V AC	nF					
1250	500	6.8	7.0 × 11.0 × 18.0	B32612A7682+***	3200	4000	4000
		10	7.5 × 13.0 × 18.0	B32612A7103+***	3000	4000	4000
		15	8.0 × 14.0 × 18.0	B32612A7153+***	2800	3600	2000
		22	9.5 × 15.5 × 18.0	B32612A7223+***	2400	3200	2000
		33	11.0 × 17.5 × 18.0	B32612A7333+***	2000	2600	2000
1600	500	4.7	6.5 × 12.0 × 18.0	B32612A1472+***	3400	4400	4000
		6.8	8.0 × 13.0 × 18.0	B32612A1682+***	2800	3600	2000
		10	9.0 × 14.5 × 18.0	B32612A1103+***	2400	3200	2000
		15	10.0 × 17.5 × 18.0	B32612A1153+***	2200	3000	2000
1600	700	3.3	6.5 × 11.5 × 18.0	B32612J1332+***	3400	4400	4000
		4.7	7.5 × 12.5 × 18.0	B32612J1472+***	3000	4000	4000
		6.8	8.5 × 14.5 × 18.0	B32612J1682+***	2600	3400	2000
		10	9.5 × 17.0 × 18.0	B32612J1103+***	2400	3200	1000
2000	700	1.0	7.0 × 10.5 × 18.0	B32612A2102+***	3200	4000	4000
		1.5	7.5 × 11.5 × 18.0	B32612A2152+***	3000	4000	4000
		2.2	8.0 × 14.5 × 18.0	B32612A2222+***	2800	3600	4000
		3.3	8.5 × 15.0 × 18.0	B32612A2332+***	2600	3400	2000
		4.7	9.5 × 18.0 × 18.0	B32612A2472+***	2400	3200	2000

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:

K = ±10%

J = ±5%

*** = Packaging code:

289 = Ammo pack

189 = Reel

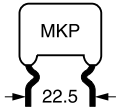
010 = Untaped crimped (lead length 6 – 1 mm)

008 = Untaped straight (lead length 17±3 mm)

020 = Double crimped (lead length 6 – 1 mm)

Packaging codes for further lead configurations (untaped):

Lead configuration (lead length 6 – 1 mm)	Reduced	Reduced	Reduced	Enlarged
Lead spacing (mm)	7.5 mm	10 mm	12.5 mm	17.5 mm
Packaging code	030	040	050	060


Ordering codes and packing units (lead spacing 22.5 mm)

V_R	V_{RMS} $f \leq 1$ kHz	C_R	Max. dimensions $w \times h \times l$ mm	Ordering code (composition see below)	Ammo pack pcs./MOQ	Reel pcs./ MOQ	Untaped pcs./ MOQ
V DC	V AC	nF					
250	160	220	$7.0 \times 14.5 \times 26.5$	B32613A3224+***	2000	2800	2000
		330	$7.0 \times 14.5 \times 26.5$	B32613A3334+***	2000	2800	2000
		470	$8.0 \times 15.5 \times 26.5$	B32613A3474+***	1800	2400	2000
		680	$9.5 \times 16.0 \times 26.5$	B32613A3684+***	1400	2000	2000
		1000	$11.0 \times 19.0 \times 26.5$	B32613A3105+***	1200	1800	1000
400	200	150	$7.0 \times 13.5 \times 26.5$	B32613A4154+***	2000	2800	2000
		220	$7.0 \times 14.0 \times 26.5$	B32613A4224+***	2000	2800	2000
		330	$8.0 \times 16.0 \times 26.5$	B32613A4334+***	1800	2400	2000
		470	$9.5 \times 16.0 \times 26.5$	B32613A4474+***	1400	2000	1000
		680	$11.5 \times 17.5 \times 26.5$	B32613A4684+***	1200	1600	1000
630	250	100	$7.0 \times 12.5 \times 26.5$	B32613A6104+***	2000	2800	1000
		150	$7.5 \times 14.0 \times 26.5$	B32613A6154+***	1800	2600	1000
		220	$9.0 \times 15.5 \times 26.5$	B32613A6224+***	1600	2200	1000
		330	$10.0 \times 18.0 \times 26.5$	B32613A6334+***	1400	2000	1000
		470	$11.0 \times 20.0 \times 26.5$	B32613A6474+***	1200	1800	1000
1000	250	33	$8.5 \times 14.5 \times 26.5$	B32613A0333+***	1600	2200	2000
		47	$10.0 \times 15.5 \times 26.5$	B32613A0473+***	1400	2000	1000
		68	$11.0 \times 17.5 \times 26.5$	B32613A0683+***	1200	1800	1000
		100	$10.0 \times 16.5 \times 26.5$	B32613A0104+***	1400	2000	1000
		150	$12.0 \times 18.0 \times 26.5$	B32613A0154+***	1200	1600	1000

MOQ = Minimum Order Quantity, consisting of 4 packing units.

Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:

K = $\pm 10\%$

J = $\pm 5\%$

*** = Packaging code:

289 = Ammo pack

189 = Reel

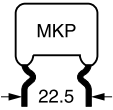
010 = Untaped crimped (lead length 6 – 1 mm)

008 = Untaped straight (lead length 17 ± 3 mm)

020 = Double crimped (lead length 6 – 1 mm)

Packaging codes for further lead configurations (untaped):

Lead configuration (lead length 6 – 1 mm)	Reduced	Reduced	Reduced	Enlarged
Lead spacing (mm)	15 mm	17.5 mm	20 mm	25 mm
Packaging code	055	060	070	080


B32613
High pulse (wound)
Ordering codes and packing units (lead spacing 22.5 mm)

V_R	V_{RMS} $f \leq 1$ kHz	C_R	Max. dimensions $w \times h \times l$ mm	Ordering code (composition see below)	Ammo pack pcs./MOQ	Reel pcs./ MOQ	Untaped pcs./ MOQ
V DC	V AC	nF					
1600	500	10	7.0 × 13.5 × 26.5	B32613A1103+***	2000	2800	2000
		15	8.0 × 14.5 × 26.5	B32613A1153+***	1800	2400	2000
		22	9.0 × 17.0 × 26.5	B32613A1223+***	1600	2200	1000
		33	10.5 × 18.5 × 26.5	B32613A1333+***	1400	1800	1000
2000	700	3.3	7.0 × 13.0 × 26.5	B32613A2332+***	2000	2800	2000
		4.7	7.5 × 14.0 × 26.5	B32613A2472+***	1800	2600	2000
		6.8	8.5 × 16.0 × 26.5	B32613A2682+***	1600	2200	2000
		10	10.5 × 17.0 × 26.5	B32613A2103+***	1400	1800	1000
		15	12.0 × 20.5 × 26.5	B32613A2153+***	1200	1600	1000
2000	1000	3.3	8.0 × 14.5 × 26.5	B32613A8332+***	1800	2400	2000
		4.7	8.5 × 16.5 × 26.5	B32613A8472+***	1600	2200	1000
		6.8	10.0 × 18.5 × 26.5	B32613A8682+***	1400	2000	1000
		10	11.5 × 21.5 × 26.5	B32613A8103+***	1200	1600	1000

MOQ = Minimum Order Quantity, consisting of 4 packing units.

Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:

K = ±10%

J = ±5%

*** = Packaging code:

289 = Ammo pack

189 = Reel

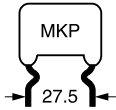
010 = Untaped crimped (lead length 6 – 1 mm)

008 = Untaped straight (lead length 17±3 mm)

020 = Double crimped (lead length 6 – 1 mm)

Packaging codes for further lead configurations (untaped):

Lead configuration (lead length 6 – 1 mm)	Reduced	Reduced	Reduced	Enlarged
Lead spacing (mm)	15 mm	17.5 mm	20 mm	25 mm
Packaging code	055	060	070	080


Ordering codes and packing units (lead spacing 27.5 mm)

V_R	V_{RMS} $f \leq 1 \text{ kHz}$	C_R	Max. dimensions $w \times h \times l$ mm	Ordering code (composition see below)	Untaped pcs./MOQ
V DC	V AC	nF			
250	160	470	7.0 × 15.0 × 31.5	B32614A3474+***	2000
		680	8.0 × 16.5 × 31.5	B32614A3684+***	2000
		1000	9.5 × 17.5 × 31.5	B32614A3105+***	800
		1500	11.5 × 19.5 × 31.5	B32614A3155+***	800
		2200	14.0 × 22.0 × 31.5	B32614A3225+***	800
400	200	470	9.5 × 15.0 × 31.5	B32614A4474+***	800
		680	10.0 × 17.5 × 31.5	B32614A4684+***	800
		1000	11.5 × 19.5 × 31.5	B32614A4105+***	800
		1500	14.0 × 22.0 × 31.5	B32614A4155+***	800
		2200	16.5 × 24.5 × 31.5	B32614A4225+***	600
630	250	470	10.5 × 18.5 × 31.5	B32614A6474+***	800
		680	12.0 × 21.5 × 31.5	B32614A6684+***	800
		1000	14.0 × 24.0 × 31.5	B32614A6105+***	800
1000	250	100	11.5 × 17.5 × 31.5	B32614A0104+***	2000
		150	13.0 × 21.0 × 31.5	B32614A0154+***	800
		220	14.5 × 24.5 × 31.5	B32614A0224+***	800
1600	500	22	9.0 × 14.5 × 31.5	B32614A1223+***	2000
		33	10.5 × 16.0 × 31.5	B32614A1333+***	2000
		47	11.0 × 19.5 × 31.5	B32614A1473+***	800
		68	13.0 × 21.5 × 31.5	B32614A1683+***	800
2000	700	10	9.0 × 15.5 × 31.5	B32614A2103+***	2000
		15	11.0 × 17.5 × 31.5	B32614A2153+***	800
		22	13.0 × 19.5 × 31.5	B32614A2223+***	800
		33	14.5 × 23.0 × 31.5	B32614A2333+***	800
		47	16.5 × 25.5 × 31.5	B32614A2473+***	600

MOQ = Minimum Order Quantity, consisting of 4 packing units.
Further E series and intermediate capacitance values on request.

Composition of ordering code

+ = Capacitance tolerance code:

K = ±10%

J = ±5%

*** = Packaging code:

010 = Untaped crimped (lead length 6 – 1 mm)

008 = Untaped straight (lead length 17±3 mm)

020 = Double crimped (lead length 6 – 1 mm)

Packaging codes for further lead configurations (untaped):

Lead configuration (lead length 6 – 1 mm)	Reduced
Lead spacing (mm)	25 mm
Packaging code	090

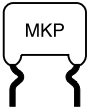

B32612 ... B32614
High pulse (wound)
Technical data

Operating temperature range	Max. operating temperature $T_{op,max}$			+110 °C
	Upper category temperature T_{max}			+100 °C
	Lower category temperature T_{min}			-55 °C
	Rated temperature T_R			+85 °C
Dissipation factor $\tan \delta$ (in 10^{-3}) at 20 °C (upper limit values)	at	$C_R \leq 0.1 \mu F$	$0.1 \mu F < C_R \leq 1 \mu F$	$C_R > 1 \mu F$
	1 kHz	–	0.5	0.5
	10 kHz	–	0.8	1.5
	100 kHz	5.0	–	–
Insulation resistance R_{ins} or time constant $\tau = C_R \cdot R_{ins}$ at 20 °C, rel. humidity $\leq 65\%$ (minimum as-delivered values)	$C_R \leq 0.33 \mu F$		$C_R > 0.33 \mu F$	
	100 G Ω		30000 s	
DC test voltage	1.6 · V_R , 2 s			
Category voltage V_C (continuous operation with V_{DC} or V_{AC} at $f \leq 1$ kHz)	T_A (°C)	DC voltage derating	AC voltage derating	
	$T_A \leq 85$ $85 < T_A \leq 100$	$V_C = V_R$ $V_C = V_R \cdot (165 - T_A) / 80$	$V_{C,RMS} = V_{RMS}$ $V_{C,RMS} = V_{RMS} \cdot (165 - T_A) / 80$	
Operating voltage V_{op} for short operating periods (V_{DC} or V_{AC} at $f \leq 1$ kHz)	T_A (°C)	DC voltage (max. hours)	AC voltage (max. hours)	
	$T_A \leq 100$ $100 < T_A \leq 110$	$V_{op} = 1.25 \cdot V_C$ (2000 h) $V_{op} = 1.25 \cdot V_C$ (1000 h)	$V_{op} = 1.0 \cdot V_{C,RMS}$ (2000 h) $V_{op} = 1.0 \cdot V_{C,RMS}$ (1000 h)	
Damp heat test Limit values after damp heat test	56 days/40 °C/93% relative humidity			
	Capacitance change $ \Delta C/C $		$\leq 3\%$	
	Dissipation factor change $\Delta \tan \delta$		$\leq 0.5 \cdot 10^{-3}$ (at 1 kHz) $\leq 1.0 \cdot 10^{-3}$ (at 10 kHz)	
	Insulation resistance R_{ins} or time constant $\tau = C_R \cdot R_{ins}$		$\geq 50\%$ of minimum as-delivered values	
Reliability: Failure rate λ Service life t_{SL}	1 fit ($\leq 1 \cdot 10^{-9}$ /h) at 0.5 · V_R , 40 °C 200 000 h at 1.0 · V_R , 85 °C For conversion to other operating conditions and temperatures, refer to chapter "Quality, 2 Reliability".			
Failure criteria: Total failure Failure due to variation of parameters	Short circuit or open circuit			
	Capacitance change $ \Delta C/C $		$> 10\%$	
	Dissipation factor $\tan \delta$		$> 4 \cdot$ upper limit value	
	Insulation resistance R_{ins} or time constant $\tau = C_R \cdot R_{ins}$		< 1500 M Ω ($C_R \leq 0.33 \mu F$) < 500 s ($C_R > 0.33 \mu F$)	



Characteristic voltages V_{DC} , V_{AC} , V_{pp}

V_{DC} V	V_{AC} V	V_{pp} V
1000	250	700
1250	500	1250
1600	500	1400
1600	700	1600
2000	700	1600
2000	1000	2000



B32612 ... B32614

High pulse (wound)

Pulse handling capability

"dV/dt" represents the maximum permissible voltage change per unit of time for non-sinusoidal voltages, expressed in V/μs.

"k₀" represents the maximum permissible pulse characteristic of the waveform applied to the capacitor, expressed in V²/μs.

Note:

The values of dV/dt and k₀ provided below must not be exceeded in order to avoid damaging the capacitor.

dV/dt values

Lead spacing		15 mm	22.5 mm	27.5 mm
V _R V DC	V _{RMS} V AC	dV/dt in V/μs		
250	160	200	120	50
400	200	300	180	100
630	250	400	300	150
1000	250	975	600	300
1250	500	1850	1150	600
1600	500	4500	2400	1000
1600	700	5200	—	—
2000	700	8000	7000	2300
2000	1000	—	7500	—

k₀ values

Lead spacing		15 mm	22.5 mm	27.5 mm
V _R V DC	V _{RMS} V AC	k ₀ in V ² /μs		
250	160	100 000	60 000	25 000
400	200	250 000	200 000	110 000
630	250	500 000	350 000	250 000
1000	250	3 000 000	1 500 000	1 000 000
1250	500	9 000 000	3 750 000	2 000 000
1600	500	20 000 000	10 000 000	4 000 000
1600	700	28 000 000	—	—
2000	700	60 000 000	40 000 000	15 000 000
2000	1000	—	50 000 000	—