

Features	Illustration	Dimensions (mm)					
		Case	L	W	P min.	B min.	T max.
<ul style="list-style-type: none"> * Resonance free power distribution network * Controlled ESR without affecting ESL * Achieving a predictable impedance profile with the minimum number of components 		1608 (0603)	1.60 ± 0.20	0.80 ± 0.10	0.20	0.10	0.90
Applications <ul style="list-style-type: none"> * Servers/PCs * Notebook Computers/PDAs * Power Decoupling * Voltage Regulator Output Filter * Plane Termination 		2012 (0805)	2.00 ± 0.20	1.25 ± 0.20	0.20	0.10	1.00

TDK Item Description	Case Size metric(US)	Capacitance (μF)	Rated Voltage	ESR	ESR Comparison
CERB3UX5R0G105MT	1608 (0603)	1	4	1200 mΩ ±30%	
CERD1CX5R0G106MT	2012 (0805)	10	4	20 mΩ ±30%	

Equivalent Circuit	Solder Pad Dimensions (mm)												
	<table border="1"> <thead> <tr> <th>Case Size</th> <th>1608 (0603)</th> <th>2012 (0805)</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>0.8</td> <td>1.0</td> </tr> <tr> <td>B</td> <td>0.6</td> <td>0.7</td> </tr> <tr> <td>C</td> <td>0.8</td> <td>1.2</td> </tr> </tbody> </table>	Case Size	1608 (0603)	2012 (0805)	A	0.8	1.0	B	0.6	0.7	C	0.8	1.2
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