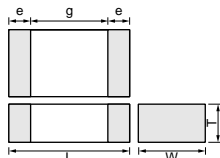


Monolithic Ceramic Capacitors for Medium-voltage

Low Dissipation Factor



Part Number	Dimensions (mm)				
	L	W	T	e min.	g min.
GRM31A	3.2 ±0.2	1.6 ±0.2	1.0 +0,-0.3	0.3	1.5*
GRM31B			1.25 +0,-0.3		
GRM32Q	3.2 ±0.2	2.5 ±0.2	1.5 +0,-0.3		1.8
GRM42A			1.0 +0,-0.3		
GRM42B	4.5 ±0.3	2.0 ±0.2	1.25 +0,-0.3		2.9
GRM42D			2.0 ±0.3		
GRM43D			2.0 +0,-0.3		
GRM43E	4.5 ±0.3	3.2 ±0.3	2.5 +0,-0.3		

* GRM31B1X3D : 1.8mm min.

Part Number	Rated Voltage (V)	TC	Capacitance (pF)	Length L (mm)	Width W (mm)	Thickness T (mm)	Electrode g (mm)	Electrode e (mm)
GRM31BR32J681KY01L	DC630	R (JIS)	680 +10,-10%	3.2	1.6	1.25	1.5 min.	0.3 min.
GRM31BR32J102KY01L	DC630	R (JIS)	1000 +10,-10%	3.2	1.6	1.25	1.5 min.	0.3 min.
GRM31AR33A470KY01D	DC1000	R (JIS)	47 +10,-10%	3.2	1.6	1.0	1.5 min.	0.3 min.
GRM31AR33A680KY01D	DC1000	R (JIS)	68 +10,-10%	3.2	1.6	1.0	1.5 min.	0.3 min.
GRM31AR33A101KY01D	DC1000	R (JIS)	100 +10,-10%	3.2	1.6	1.0	1.5 min.	0.3 min.
GRM31AR33A151KY01D	DC1000	R (JIS)	150 +10,-10%	3.2	1.6	1.0	1.5 min.	0.3 min.
GRM31AR33A221KY01D	DC1000	R (JIS)	220 +10,-10%	3.2	1.6	1.0	1.5 min.	0.3 min.
GRM31AR33A331KY01D	DC1000	R (JIS)	330 +10,-10%	3.2	1.6	1.0	1.5 min.	0.3 min.
GRM31BR33A471KY01L	DC1000	R (JIS)	470 +10,-10%	3.2	1.6	1.25	1.5 min.	0.3 min.
GRM31B1X3D100JY01L	DC2000	SL (JIS)	10 +5,-5%	3.2	1.6	1.25	1.8 min.	0.3 min.
GRM31B1X3D120JY01L	DC2000	SL (JIS)	12 +5,-5%	3.2	1.6	1.25	1.8 min.	0.3 min.
GRM31B1X3D150JY01L	DC2000	SL (JIS)	15 +5,-5%	3.2	1.6	1.25	1.8 min.	0.3 min.
GRM31B1X3D180JY01L	DC2000	SL (JIS)	18 +5,-5%	3.2	1.6	1.25	1.8 min.	0.3 min.
GRM31B1X3D220JY01L	DC2000	SL (JIS)	22 +5,-5%	3.2	1.6	1.25	1.8 min.	0.3 min.
GRM32Q1X3D270JY01L	DC2000	SL (JIS)	27 +5,-5%	3.2	2.5	1.5	1.8 min.	0.3 min.
GRM32Q1X3D330JY01L	DC2000	SL (JIS)	33 +5,-5%	3.2	2.5	1.5	1.8 min.	0.3 min.
GRM32Q1X3D390JY01L	DC2000	SL (JIS)	39 +5,-5%	3.2	2.5	1.5	1.8 min.	0.3 min.
GRM32Q1X3D470JY01L	DC2000	SL (JIS)	47 +5,-5%	3.2	2.5	1.5	1.8 min.	0.3 min.
GRM32Q1X3D560JY01L	DC2000	SL (JIS)	56 +5,-5%	3.2	2.5	1.5	1.8 min.	0.3 min.
GRM32Q1X3D680JY01L	DC2000	SL (JIS)	68 +5,-5%	3.2	2.5	1.5	1.8 min.	0.3 min.
GRM32Q1X3D820JY01L	DC2000	SL (JIS)	82 +5,-5%	3.2	2.5	1.5	1.8 min.	0.3 min.
GRM43D1X3D121JY01L	DC2000	SL (JIS)	120 +5,-5%	4.5	3.2	2.0	2.9 min.	0.3 min.
GRM43D1X3D151JY01L	DC2000	SL (JIS)	150 +5,-5%	4.5	3.2	2.0	2.9 min.	0.3 min.
GRM43D1X3D181JY01L	DC2000	SL (JIS)	180 +5,-5%	4.5	3.2	2.0	2.9 min.	0.3 min.
GRM43D1X3D221JY01L	DC2000	SL (JIS)	220 +5,-5%	4.5	3.2	2.0	2.9 min.	0.3 min.
GRM42D1X3F100JY02L	DC3150	SL (JIS)	10 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM42D1X3F120JY02L	DC3150	SL (JIS)	12 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM42D1X3F150JY02L	DC3150	SL (JIS)	15 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM42D1X3F180JY02L	DC3150	SL (JIS)	18 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM42D1X3F220JY02L	DC3150	SL (JIS)	22 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM42D1X3F270JY02L	DC3150	SL (JIS)	27 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM42D1X3F330JY02L	DC3150	SL (JIS)	33 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM42D1X3F390JY02L	DC3150	SL (JIS)	39 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM42D1X3F470JY02L	DC3150	SL (JIS)	47 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM42D1X3F560JY02L	DC3150	SL (JIS)	56 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM42D1X3F680JY02L	DC3150	SL (JIS)	68 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM42D1X3F820JY02L	DC3150	SL (JIS)	82 +5,-5%	4.5	2.0	2.0	2.9 min.	0.3 min.
GRM43E1X3F101JY01L	DC3150	SL (JIS)	100 +5,-5%	4.5	3.2	2.5	2.9 min.	0.3 min.

Operating Temperature Range : -55 to +125deg.

Please contact us in case that the SL char. DC3150V items are considered to use for the application which is not LCD back lighting inverters circuit.

Only tape packaging is available.

⚠ Note • This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specification or transact the approval sheet for product specification before ordering. Especially, please read rating and ⚠CAUTION (for storage and operating, rating, soldering and mounting, handling) in them to prevent smoking and/or burning, etc.
• You are able to read a detailed specification in the website (<http://search.murata.co.jp/>) before to require our product specification or to transact the approval sheet for product specification.