



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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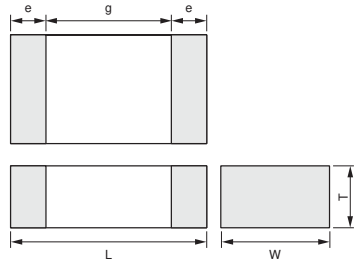
Data Sheet

Monolithic Ceramic Capacitors

GRM43ER60J476ME01□ (1812, X5R, 47 F, 6.3Vdc)

□: packaging code

RoHS regulation conformity parts



(in mm)

■ Dimensions

Length L	4.5mm±0.4mm
Width W	3.2mm±0.3mm
Thickness T	2.5mm±0.2mm
Electrode e (min.)	0.3mm
Electrode Gap g (min.)	2.0mm

■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	500
K	330mm Embossed Tape	2000
B	Bulk(Bag)	1000

■ Rated Value

	Murata PN Code	Spec
Temperature Char.	R6	X5R (EIA), ±15%
Capacitance	476	47 F
Capacitance Change	M	±20%
Rated Voltage	0J	6.3Vdc

■ Specifications

Please refer to 'Specification' PDF file.

● This data sheet is applied for CHIP MONOLITHIC CERAMIC CAPACITOR used for General Electronics equipment for your design.

<Notice>

- Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.
- Use of Sn-Zn based solder will deteriorate reliability of MLCC. Please check with our sales representatives for the use of Sn-Zn based solder in advance.

- The RoHS compliance means that we judge from EU Directive 2002/95/EC the products do not contain lead, cadmium, mercury, hexavalent chromium, PBB and PBDE, except exemptions stated in EU Directive 2002/95/EC annex and impurities existing in natural world.
- This statement does not insure the compliance of any of the listed parts with any laws or legal imperatives developed by any EU members individually with regards to the RoHS Directive.

⚠ Note:

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.


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