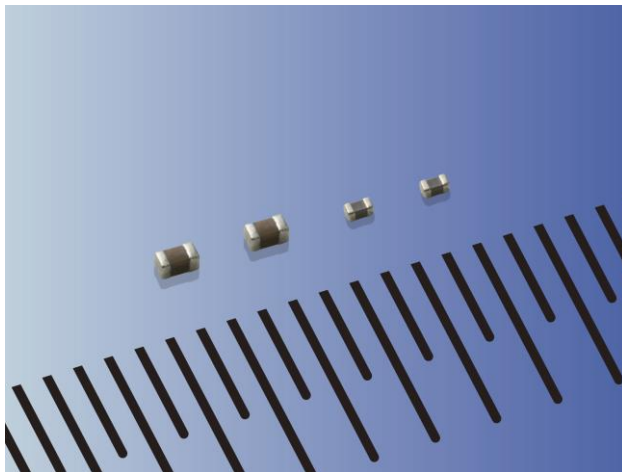


Press information

KYOCERA Develops Multilayer Ceramic Capacitors with Industry-Leading Volumetric Efficiency Ideal for Smartphones

New MLCCs offer world's highest capacitance — 4.7 μ F in 0201 case size and 0.47 μ F in 01005 case size

Kyoto, Japan / Neuss, Germany, November 9, 2016 – Kyocera Corporation today announced that it has developed multilayer ceramic capacitors (MLCCs) with industry-leading capacitance for use in telecommunication equipment including smartphones. The new 4.7 μ F MLCC in a 0201 case size and the 0.47 μ F MLCC in a 01005 case size deliver double the capacitance of the conventional 0201 and 01005 MLCCs while maintaining the same sizes enabling greater device functionality in a smaller space. Both will be available on a sample basis in October 2016.



Kyocera's new MLCCs in 0201 (left) and 01005 (right) with scale showing 0.5mm increments

Contact:

Kyocera Fineceramics GmbH
Daniela Faust
Manager Corporate Communications
Hammfelddamm 6
41460 Neuss
Germany
Tel.: +49 (0) 2131/16 37 - 188
Fax: +49 (0) 2131/16 37 - 150
Mobil: +49 (0) 175/7275706
daniela.faust@kyocera.de
www.kyocera.eu

Grayling München
Sebastian Paulus
Landwehrstrasse 61
80336 München
Germany
Tel.: +49 (0) 89 411 123 217
sebastian.paulus@grayling.com

Grayling Frankfurt
Elena Lindenzweig
Hanauer Landstr. 147-149
60314 Frankfurt am Main
Germany
Tel.: +49 (0) 69/96 2219 - 66
Fax: +49 (0) 69/96 2219 - 96
elena.lindenzweig@grayling.com

Press information

	0201 size MLCC	01005 size MLCC
Product name	CM03X5R475M06A	CM02X5R474M06A
Size	0.6x0.3x0.3mm	0.4x0.2x0.2mm
Characteristics	X5R (EIA)	X5R (EIA)
Capacitance	4.7µF	0.47µF
Tolerance	M (±20%)	M (±20%)
Rated voltage	6.3V DC	6.3V DC
Production facility	Kagoshima Kokubu Plant (Japan)	Kagoshima Kokubu Plant (Japan)

Development Background

With the development of highly functional and multiband telecommunications equipment including smartphones which require higher capacitance of MLCCs, the number of MLCCs equipped in a device is increasing year by year. Especially in smartphones, where demand for higher functionality and longer battery life keeps rising, manufacturers must install a greater number of components without reducing battery space. As a result, engineers are demanding higher capacitance from MLCCs in the 0201 and 01005 case sizes, which are widely utilized in these devices. The proliferation of IoT (Internet of Things) devices is also accelerating this trend.

Contact:

Kyocera Fineceramics GmbH
 Daniela Faust
 Manager Corporate Communications
 Hammfelddamm 6
 41460 Neuss
 Germany
 Tel.: +49 (0) 2131/16 37 - 188
 Fax: +49 (0) 2131/16 37 - 150
 Mobil: +49 (0) 175/7275706
daniela.faust@kyocera.de
www.kyocera.eu

Grayling München
 Sebastian Paulus
 Landwehrstrasse 61
 80336 München
 Germany
 Tel.: +49 (0) 89 411 123 217
sebastian.paulus@grayling.com

Grayling Frankfurt
 Elena Lindenzweig
 Hanauer Landstr. 147-149
 60314 Frankfurt am Main
 Germany
 Tel.: +49 (0) 69/96 2219 - 66
 Fax: +49 (0) 69/96 2219 - 96
elena.lindenzweig@grayling.com

Press information

Product Features

With more than doubled the capacitance of the conventional 0201 and 01005 sizes, these cutting-edge MLCCs enable customers to reduce the number of components equipped in a device and reduce space which contributes to downsizing of devices and enhancing functionality. Kyocera achieved the world's highest capacitance* for these sizes of MLCCs through a stable multilayer structure made by reducing the thickness of the dielectric material using Kyocera's nanomaterial technology and highly accurate processing technology. Kyocera will continue to expand its business by developing MLCCs with high capacitance for highly reliable devices.

*Based on research by Kyocera (as of September 2016)

For more information about Kyocera Electronic Components & Devices: <http://global.kyocera.com/prdct/electro/index.html>

For more information about Kyocera: www.kyocera.eu

Contact:

Kyocera Fineceramics GmbH
Daniela Faust
Manager Corporate Communications
Hammfelddamm 6
41460 Neuss
Germany
Tel.: +49 (0) 2131/16 37 - 188
Fax: +49 (0) 2131/16 37 - 150
Mobil: +49 (0) 175/7275706
daniela.faust@kyocera.de
www.kyocera.eu

Grayling München
Sebastian Paulus
Landwehrstrasse 61
80336 München
Germany
Tel.: +49 (0) 89 411 123 217
sebastian.paulus@grayling.com

Grayling Frankfurt
Elena Lindenzweig
Hanauer Landstr. 147-149
60314 Frankfurt am Main
Germany
Tel.: +49 (0) 69/96 2219 - 66
Fax: +49 (0) 69/96 2219 - 96
elena.lindenzweig@grayling.com

Press information

About Kyocera

Headquartered in Kyoto, Japan, Kyocera Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry. The strategically important divisions in the Kyocera Group, which is comprised of 235 subsidiaries (as of March 31, 2016), are information and communications technologies, products which increase quality of life, and environmentally friendly products. The technology group is also one of the oldest producers of solar energy systems worldwide, with more than 40 years of experience in the industry.

The company is ranked #531 on Forbes magazine's 2016 "Global 2000" listing of the world's largest publicly traded companies.

With a global workforce of over 69,000 employees, Kyocera posted net sales of approximately €11.59 billion in fiscal year 2015/2016. The products marketed by the company in Europe include printers, digital copying systems, microelectronic components, and fine ceramic products. The Kyocera Group has two independent companies in the Federal Republic of Germany: Kyocera Fineceramics GmbH in Neuss and Esslingen and Kyocera Document Solutions in Meerbusch.

The company also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation — established by Kyocera founder Dr. Kazuo Inamori — to individuals and groups worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (converted at approximately €360,000 per prize category).

Contact:

Kyocera Fineceramics GmbH
Daniela Faust
Manager Corporate Communications
Hammfelddamm 6
41460 Neuss
Germany
Tel.: +49 (0) 2131/16 37 - 188
Fax: +49 (0) 2131/16 37 - 150
Mobil: +49 (0) 175/7275706
daniela.faust@kyocera.de
www.kyocera.eu

Grayling München
Sebastian Paulus
Landwehrstrasse 61
80336 München
Germany
Tel.: +49 (0) 89 411 123 217
sebastian.paulus@grayling.com

Grayling Frankfurt
Elena Lindenzeitig
Hanauer Landstr. 147-149
60314 Frankfurt am Main
Germany
Tel.: +49 (0) 69/96 2219 - 66
Fax: +49 (0) 69/96 2219 - 96
elena.lindenzeitig@grayling.com