

SimSurfing

The best partner
for your circuit
design

The SimSurfing logo features the word "Sim" in a smaller font above "Surfing" in a larger, bold font. The "i" in "Sim" has a colorful dot above it. The entire logo is enclosed in a black oval border.

SimSurfing is a web application which allows circuit designers to see our components' characteristics data, and to select the one that best suits the requirement.

View and download data

You can see various characteristics graphs for our products with easy operation, or download data files including s-parameter, spice models, etc.

Simulate circuit conditions

SimSurfing includes advanced equivalent circuit models which show the characteristics data close to actual measurement (for some components including MLCC & RF inductors).

Compare characteristics

Easily compare characteristics data on the same graph.

For more information about *SimSurfing* visit
www.murata.com/tool/simsurfing
or visit the SimSurfing site directly at
www.murata.com/simsurfing

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Components Libraries

to support
your simulation

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Products | Applications | Design Tools | Support | About Murata | Investor Relations

Home > Design Tools > Multilayer Ceramic Capacitors (MLCC)

Multilayer Ceramic Capacitors (MLCC)

This site page provides the S-parameters of MLCCs.

Last Update: 6/5/2010

Files Download

Application	Series	<input checked="" type="checkbox"/> Check All
	<input checked="" type="checkbox"/> GRM1	(General purpose products) (ZP: 01-448)
	<input checked="" type="checkbox"/> GR3	(High effective capacitance and high allowable ripple current) (ZP: 02-148)
	<input checked="" type="checkbox"/> LL1	(LW reversed low ESL type) (ZP: 03-148)
	<input checked="" type="checkbox"/> LLR	(Controlled ESR low ESL type) (ZP: 03-148)
	<input checked="" type="checkbox"/> GRM1	(High Q type for high frequency) (ZP: 04-148)
	<input checked="" type="checkbox"/> GRM1	(High Q type for high frequency and high ripple) (ZP: 05-148)
	<input checked="" type="checkbox"/> GR1	(Acoustic noise reduction type) (ZP: 06-148)
	<input checked="" type="checkbox"/> GRM1	(Only for LCD backlight) (ZP: 07-148)
	<input checked="" type="checkbox"/> GRM1	(Audio signal source) (ZP: 08-148)
	<input checked="" type="checkbox"/> GR2	(Board mount type) (ZP: 09-148)

For more information
about our design tools, visit
www.murata.com/tool

Simulation data including
S-parameter, SPICE models,
Libraries for circuit simulators,
3D models, and more.

Large number of items supported

Including more than 20,000 s-parameter / spice model data for MLCC, large number of item data are offered.

Dynamic models supported

Dynamic models are supported for some components including MLCC / Power inductors. The models for MLCC can simulate capacitance change for temperature, DC-bias voltage.

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