



High Rated Power · Broad Resistance
Range from 10mΩ

High Power Wide Terminal Chip Resistors

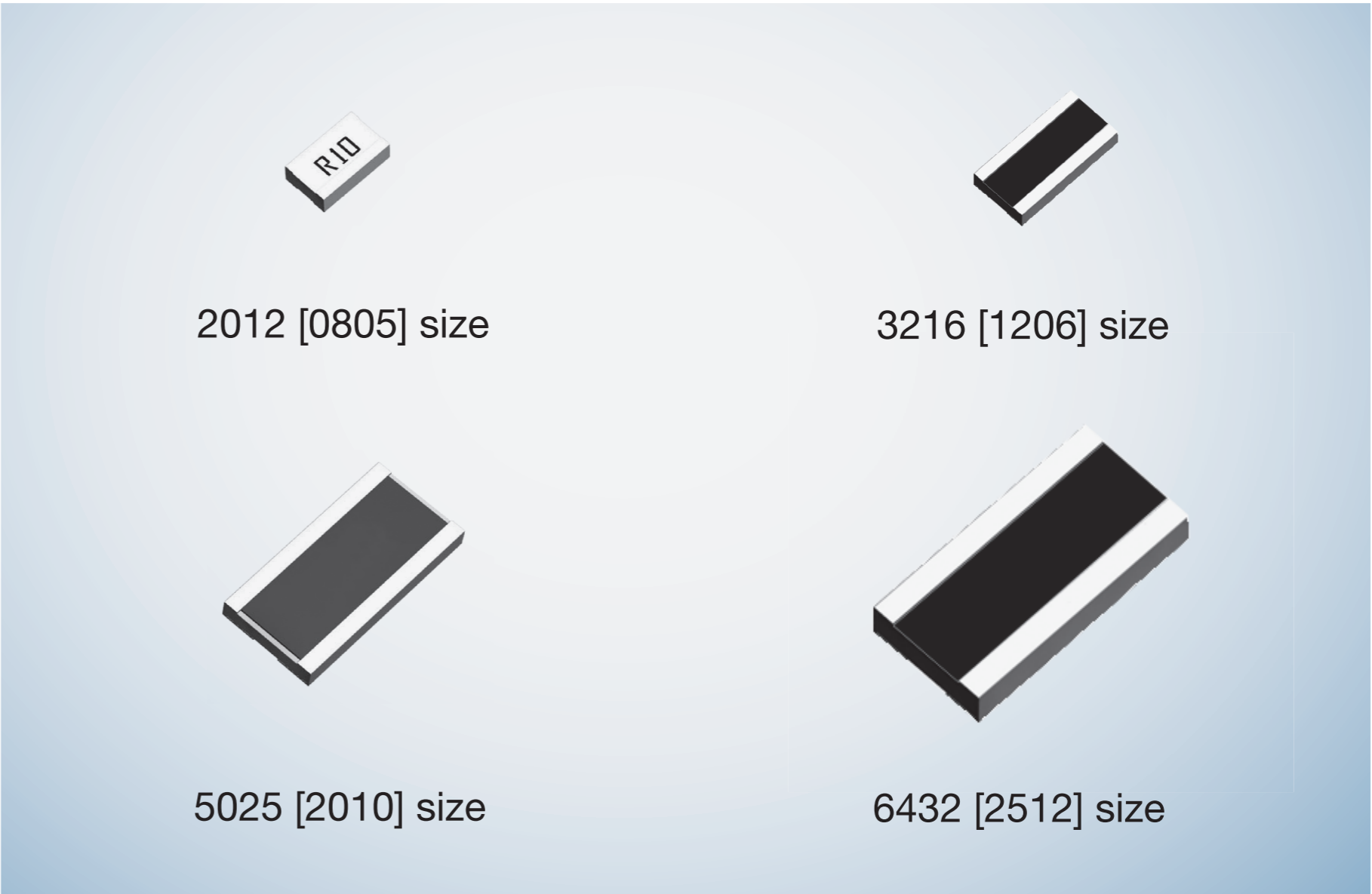
LTR Low Ohmic Series

Features

- Proprietary heat dissipation design ensures high rated power
- Wide terminal construction improves joint strength and temperature cycling characteristics

Applications

- Battery monitoring modules for EVs and HEVs
- Home appliances (i.e. ACs, refrigerators)
- Power supply equipment



Specifications

	MCR Series (Conventional Type)	LTR Series (Wide Terminal Type)	Size (mm [inch])	MCR Series (Conventional Type)	LTR Series (Wide Terminal Type)
Distance Between Electrodes					
Effects From Board Expansion / Contraction	Significant mechanical stress at the joint	Reduced mechanical stress at the joint	3216 [1206]	1 / 4W (0.25W)	4x the rated power 1W
Joint Reliability					
Electrode Size					
Heat Dissipation to Substrate	 Standard	 Superior	6432 [2512]	1.0W	2x* the rated power 2W
Rated Power					

*At the same rated power

Lineup

Low Ohmic Series

Part No.	Size (mm [inch])	Rated Power (70°C)	Resistance Tolerance	Temperature Coefficient of Resistance (ppm / °C)	Resistance Range (Ω)	Operating Temperature Range (°C)
LTR10	2012 [0805]	1 / 2W (0.5W)	J (±5%) F (±1%)	±150	47m to 9.1 (E24 Series)	-55 to +155
LTR18	3216 [1206]	1W	J (±5%) F (±1%)	0 to 300 0 to 200 0 to 150 ±100	10m to 18m (E24 Series) 20m to 47m (E24 Series) 51m to 470m (E24 Series) 510m to 1 (E24 Series)	
☆ LTR50	5025 [2010]	1.5W 1W	J (±5%) F (±1%) J (±5%) F (±1%)	0 to 300 0 to 200 0 to 150 ±100	10m to 20m (E24 Series) 22m to 91m (E24 Series) 100m to 470m (E24 Series) 510m to 910m (E24 Series)	
LTR100	6432 [2512]	2W	J (±5%) F (±1%)	0 to 300 0 to 200 ±200 0 to 300 0 to 200 0 to 150	☆ 10m to 20m (E24 Series) ☆ 22m to 91m (E24 Series) 100m to 910m (E24 Series) ☆ 10m to 20m (E24 Series) ☆ 22m to 91m (E24 Series) 100m to 910m (E24 Series)	

☆ : Under development

