



The DNA of tech.



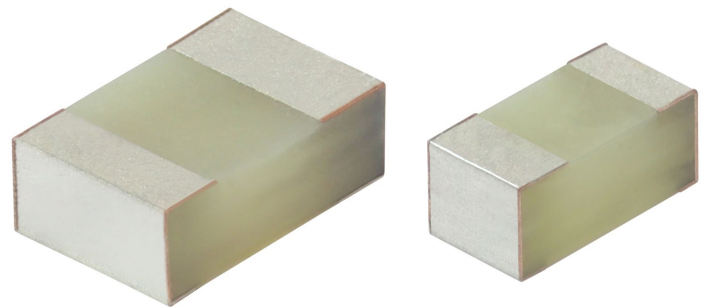
MEPIC 0603 Offers 54 % Miniaturization Compared to 0805 Devices

Our massive electro-pyrotechnic initiator chip (MEPIC) in the new 0603 case size delivers 54 % miniaturization compared to 0805 devices while maintaining identical electro-thermal performance in all-fire mode. The smaller footprint provides greater design freedom for pyrotechnic applications without compromising reliability.

MEPIC resistors convert electrical energy into heat with a precise electro-thermal profile to initiate controlled pyrotechnic events. Typical applications include electronic detonators for digital blasting in the mining industry, electric detonators for demolition, and e-matches for fireworks.

To meet customer requirements, the MEPIC 0603 provides:

- 54 % miniaturization for design flexibility
- Proven reliability in harsh conditions
- Custom solutions for unique requirements
- Competitive pricing



The MEPIC 0603 offers firing energy down to 1 mJ, making it ideal for explosive ignition while delivering exceptional long term stability for reliable, safe operation.

With Vishay's MEPIC, customers get a compact ignition solution backed by proven performance, application-specific customization, and competitive value.

Useful Links

- MEPIC Product Page <https://www.vishay.com/en/product/53058/>
- MEPIC Video <https://www.vishay.com/en/videos/resistors/Resistors-Sfernice-MEPIC/>

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