

Firing Energy Increase for Massive Electro-Pyrotechnic Initiator Chips

Vishay's massive electro-pyrotechnic initiator chips (MEPIC) are resistors in the 0805 case size dedicated to pyrotechnic applications.



The principle of MEPIC series devices is to convert electrical energy into heat in a precise electrothermal profile for the purpose of initiating a series of pyrotechnic events in a controlled energetic reaction. In the mining industry, this effect is commonly used for the ignition of electronic detonators (digital blasting). Other industries such as fireworks (e-match manufacturing) and demolition (various electric detonators) are also focused applications.

To meet our customers' requirements for explosive primers with less sensitivity to initiation, Vishay Sfernice is pleased to announce an increase in the firing energy of its MEPIC series up to 40 mJ.



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These devices are available to order by using the code corresponding to the required breakdown energy class. We have also improved the coding for the MEPIC series on the datasheet to simplify the ordering procedure.



Useful Links

MEPIC Product Page

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