

Electro-Pyrotechnic Initiator Chip Resistor

APPLICATIONS

- Car industry
(deployment of automotive airbags and other safety devices)
- Mining industry
- Military industry

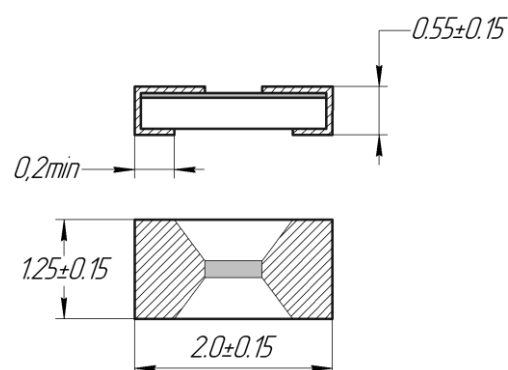
FEATURES

- Firing time down to 0.05 ms
- Firing energy down to 50 μ J

Electro-pyrotechnic initiating resistor also known as a shunt resistor, which is a resistive element that converts electrical energy into thermal energy by an electrothermal specify the profile to initiate a series of events controlled pyrotechnic reaction energy.

GENERAL SPECIFICATIONS

- **Operating Temp. Range:** -40 °C to 85 °C
- **Package:** Chip
- **Case Size:** 0805



| Part Number | Resistance Value, (Ohms) | Resistance Tolerance (\pm %) | Minimum ignite current no more (A) | Ignition Time down to (ms) | Firing energy down to (μ J) |
|-------------|--------------------------|---------------------------------|------------------------------------|----------------------------|----------------------------------|
| R1-130 | 2-10 | 10, 5 | 0,8 | 0,05 | 50 |

PACKAGING

Carton box.

PART NUMBER CODE

R1-130

model

9R1

Value
2R0 = 2 Ω
100 = 10 Ω

J

tolerance
J = 5 %
K = 10 %

xxx

topology design
3-digit number

Customer should be defined minimum current and the minimum duration of the temperature effect on energetic material required for its ignition, as well as the maximum current and the duration of the temperature effect on energetic material not leading to its inflammation. To assess these variables JSC "SPA ERKON" provides examples of test resistors.