

EP-200 Igniter



The EP-200 Electric Igniter is a highly reliable electroexplosive device.

A typical function of an electric igniter is to activate thermal batteries, propellants, or other fuels.

Variations

Variations can be made in firing characteristics, output charge and overall configuration to accommodate customer requirements. For these or other possible alterations please consult an EaglePicher representative.

Characteristics

Some of the characteristics listed here are nominal; others are levels to which the units have been tested. There are no limits on design capabilities. Please consult an EaglePicher representative before using this data as a specification.

Specifications

Electrical	
Pre-fire Insulation Resistance	20 megohm minimum at 500 Vdc per MIL-STD-202. Method 302 (between shorted leads and case).
Electrostatic Discharge	25kV from a 500 picofarad capacitor with a 5 kohm resistor in series without firing (between shorted leads and case).
Additional Electrical Characteristics	See chart at end of section
Mechanical	
Size	See Drawing
Weight	0.7 gm Max.
Case	Nickel plated gilding metal
Lead	0.030" diameter
Caloric Output	35 calories nominal
Chemical	
Ignition Compounds	LMNR/KClO ₃
Output Compound	Zirconium Ferric Oxide
Freight Classification	
Shipping Name	Igniter
Identification Number	UN0325
Hazard Classification	1.4S

EP-200

Safety

Maximum pyrotechnic weight:

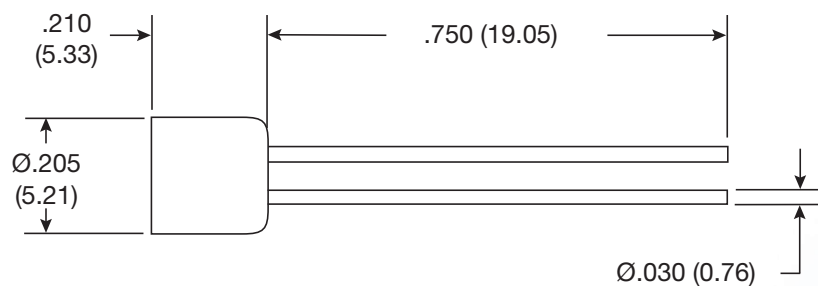
60 mg

Warning:

The igniter may fire if exposed to temperatures above 350°F (176°C), an electrical charge exceeding the specified no-fire current, or if it is cut open before functioning. When the unit fires, hot gases are discharged through the output end.

If your company does not have a safety program, it is essential that one is established before explosive items are handled or used. For a brief overview of safety precautions, see the Safety Procedures Data Sheet or contact an EaglePicher representative.

Energetic devices are considered articles; therefore a Material Safety Data Sheet (MSDS) does not apply. However, MSDS may apply to individual components. For more information, contact your EaglePicher representative.



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