The RP-503 is an all plastic case, sealed EBW detonator designed to function under water up to a depth of 10 feet. It is designed to provide similar explosive output as the RP-502 or a #8 blasting cap with significantly less fragmentation. This detonator can be ordered with any lead length up to 100 ft. To order, use P/N 188-7411 and specify wire length to the nearest foot up to a maximum of 100 feet. Detonators are shipped with the wires attached.

**RP-503 EBW DETONATOR**

**P/N 188-7411-(lead length in feet)**

![shown actual size (approx.)]

**FEATURES**

Output pellet: 454 mg HMX with binder  
Initial pressing: 167 mg PETN  
Bridgewire: Gold  
Header: Plastic  
Cup: Plastic  
Contacts: Brass  
Wire: Uses RISI twin lead high voltage blasting wire P/N 167-8559  
Wire attachment: Crimp (attached prior to shipment)

**PERFORMANCE**

- Threshold burst current ........ 180 amps  
- Threshold voltage .............. 500 volts (approx.)  
- Threshold voltage Std. Dev. 75 volts maximum  
- Function time .................. 5.0 µ sec. (approx.)  
- Function time Simultaneity  
  Standard deviation ............ 0.500 µ sec. maximum

Note: Performance values are based on a firing circuit with the following parameters:

\[ C = 1.0 \mu \text{farad}, \ L = 0.65 \mu \text{henry}, \ R = 0.16 \text{ohm} \]

**CAUTION:** EBW detonators contain explosives and are classified as detonator class “1.4” and of course are designed to explode. They should be used in blasting operations only by or under the direction of a person experienced in the handling and use of explosives. Explosive users should bear in mind that every explosive can be detonated under certain critical conditions and all explosive handling, storage and usage regulations should be followed.

**RISI** 3420 Fostoria Way • San Ramon, California • 94583  
Tel: (925) 866-0650 • FAX: (925) 866-0564