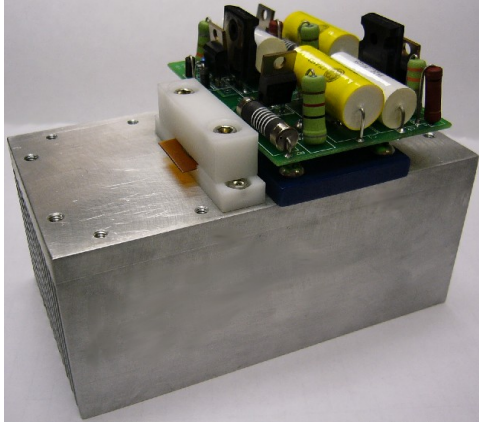




# Applied Pulsed Power, Inc.™

2025 Dryden Road  
P.O. Box 348  
Freeville, NY 13068

Phone: 607-844-3426  
Fax: 607-844-3428  
www.appliedpulsedpower.com



## Model EA0013 Gate Trigger and Snubber Circuit for Model S25 Dual Thyristor Modules

The Model EA0013 is designed to attach to the Model S25 Dual Thyristor Module to provide snubber and gate trigger in a low inductance connection. The electrically triggered version requires only a 1A 15V trigger signal.

The Model EA0013 Gate and Snubber Circuit for Model S25 Dual Thyristor Modules is a self powered trigger circuit and resistive and capacitive snubber circuit. The snubber resistance assures DC voltage balance between the two series connected thyristors in the Dual Thyristor Module package. The snubber capacitance assures AC voltage balance between the thyristors as well as provides the trigger energy for fast turn-on. The electrically triggered version can be triggered by the Model EA0038 Trigger Circuit. The EA0013 is designed for either an air or oil environment.

### Operational Specifications

Quantity	Value	Units
Capacitance	7.5	nF
Resistance	20	MΩ
Turn-on delay	60	ns
Temperature	0-80	°C

Figure 1 shows the electrical trigger input. It is a Molex connector, part number 03-06-1022. Make sure to correctly match the polarity of the trigger signal.

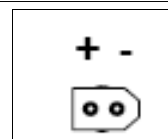


Figure 1: Trigger Input

APP also provides a variety of solid state switch products and complete pulsed power systems. Contact [sales@appliedpulsedpower.com](mailto:sales@appliedpulsedpower.com) for information.