



**MAGNETIC  
SPECIALTIES**

## SMOOTHING REACTOR



DC Smoothing Reactor, similar to a DC choke uses its inductance to reduce ripple current on a DC line. They also limit inrush currents. Smoothing reactors are commonly found on electric passenger trains. Magnetic Specialties can design a smoothing reactor for the harshest environment.

### FEATURES

- Current ratings up to 2000 ADC
- Single phase
- Single or dual coil construction
- Designed not to saturate up to customer specified overcurrent
- Magnetic Specialties core leg construction results in quiet construction.
- Self-cooled, forced-air cooled, or water cooled
- Aluminum or copper windings

### OPTIONAL

- Encapsulation
- Temperature monitoring thermal switches, thermocouples, or platinum RTDs
- UL Recognized insulation system (Primary must be 600V or less). MSI UL Insulation systems are available in 130°, 180° and 220°C ratings
- CE marking with declaration of conformity. ROHS and Low Voltage Directive where applicable
- Private labeling with customer supplied nameplate artwork. Units that are private labeled cannot carry our UL label
- NEMA 1 (indoor) or NEMA 3R (outdoor) enclosure with ANSI 61 gray powder coat finish
- Final Test Reports with optional Certificate of Compliance

Contact us and we will partner with you to design a solution that works seamlessly in your application.

Magnetic Specialties, Inc.  
174 Keystone Drive, Telford, PA 18969

267-384-5231

[magspecinc.com](http://magspecinc.com)

 Made in the USA