

Search

Home > Products > TVS Diodes > Automotive and High Reliability TVS > SMDJ-HRA > SMDJ43CA-HRA

Print

SMDJ43CA-HRA - SMDJ-HRA Series



Series: **SMDJ-HRA**

Questions? [Contact Littelfuse Support](#)

[TVS Diode SMDJ HRA Datasheet](#)

The SMDJ-HRA High Reliability Series is designed specifically to protect sensitive electronic equipment from voltage transients induced by lightning and other transient voltage events. These are available with a variety of upscreening options for enhanced reliability.

Features:

- High reliability devices with fabrication and assembly lots traceability
- Enhanced reliability screening options are available in reference to MIL-PRF-19500. Refer to screen process table for more detail on screening options
- For surface mounted applications in order to optimize board space
- Low profile package
- Built-in strain relief
- Typical maximum temperature coefficient $\Delta V_{BR} = 0.1\% \times V_{BR}@25^{\circ}C \times \Delta T$
- Glass passivated chip junction
- 3000W peak pulse power capability at 10x1000µs waveform, repetition rate (duty cycles):0.01%
- Fast response time: typically less than 1.0ps from 0V to BV min
- Excellent clamping capability
- Low incremental surge resistance
- Typical IR less than 2µA above 12V
- High Temperature soldering guaranteed: 260°C/40 seconds at terminals
- Plastic package has underwriters laboratory flammability 94V-O
- Matte tin lead-free Plated
- Halogen-free and RoHS compliant

Check Stock

Order Samples

Feedback

Electrical Characteristics

Technical Resources

Property (Mouseover for details)	Value
Reverse Standoff Voltage (V_R) (V_{SO})	43
Watts (W)	3000
Peak Pulse Current (I_{pp}) 10x1000 (A)	43.2
Breakdown Voltage (MIN $V_{BR}@I_T$) (V)	47.8
Breakdown Voltage ($V_{BR}@I_T$) (V)	52.8
$I_r@V_{SO}$ (µA)	2
On-State Current (I_T) (mA)	1
Max Temperature (deg C)	150
Max Clamp Voltage (V_C) (V)	69.4

Connect with Littelfuse

Sign up to receive special offers and news

For more details about how we use your information, check our [Privacy Statement](#).



About Littelfuse

- About Littelfuse
- Conflict Free Statement
- History
- Investor Relations
- Legal
- Press Room
- Privacy Statement
- Supply Chain Transparency

Explore Littelfuse

- Capabilities Brochures
- Careers
- Check Distributor Stock
- Competitor Cross Reference
- Industries
- Order Samples
- Products
- Services

Technical Resources

- Application Designs
- Education
- FAQs
- iDesign™
- Littelfuse University
- Product Catalogs
- Quality Documents
- Technical Documents

