

Transient Voltage Suppressor Diodes

 View Parametric Table

Overview

Docs & Specs

Part Number : JAN1N5629A

1500 W TRANSIENT VOLTAGE SUPPRESSOR

ELECTRICAL CHARACTERISTICS

All ratings are at $T_A = 25^\circ\text{C}$ unless otherwise specified.

RATING	SYMBOL	MIN	TYP	MAX	UNIT
BREAKDOWN VOLTAGE	$V_{BR} @ I_{BR}$	6.45			Volts
WORKING PEAK REVERSE VOLTAGE	V_{WM}	5.80			Volts
MAX STANDBY CURRENT	I_D			1000	μA dc
MAX CLAMPING VOLTAGE	$V_C @ I_{pp}$			10.5	V_{PK}
MAX PEAK PULSE CURRENT	I_{PP}			810	A_{PK}
MAX TEMPERATURE COEFFICIENT OF V_{BR}	αV_{BR}			0.057	%/ $^{\circ}C/W$
MAX STANDBY CURRENT	I_D			4000	μA dc

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Disclaimer

Sensitron has over 50 years of heritage as a leading manufacturer of high reliability power electronic component solutions for the Defense, Aerospace, Space, and Medical markets. Our products provide rugged, light-weight, and cost effective solutions for switching power supplies, AC-DC rectification, primary & secondary power distribution, motion control, transient voltage spike protection, and custom applications.

Products

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- Standard Bridge Rectifiers
- High Power Rectifier Bridge Capabilities

Motion Control and Power Modules >

- Complete Motor Controllers
- Controllers in Enclosures with Filters
- Intelligent Power Modules
- Power Bridge Modules (Power Modules)
- Motion Control Capabilities

Power Distribution & Control >

Single Channel Solid State Power Controllers
Multi-Channel SSPC Cards and Power Distribution
Units
Linear Voltage Regulators
Solid State Relays
Bidirectional Current Limiter
TVS Modules >
High Power Protection (MIL-STD- 1275)
LSP
MIL-STD- 704 and 1399 Modules

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- Diode Arrays
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- Schottky Diodes
- Solar Array Diodes
- SiC Schottky Diodes
- MOSFETs
- SiC MOSFETs
- IGBTs
- Transistor Arrays

[High Voltage Diode Assemblies >](#)

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- Diode Stacks
- Focus Products
- Custom Design >**
- Hybrids
- Custom Packaging
- Chip on Board Power
- Power Conversion
- Assemblies
- EOL Replacements (DMS)
- Screening and Test Services >**
- Up-screening/Testing of Commercial Discrete Parts
- Performance Screening
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