

TECHNICAL DATA
DATA SHEET 5429 REV -

HIGH RELIABILITY SCREENING PROCEDURE FOR PLASTIC ENCAPSULATED TRANSIENT VOLTAGE SUPPRESSORS

This datasheet specifies the 100% screening procedure for plastic encapsulated Transient Voltage Suppressors for use in applications requiring high reliability performance over an extended temperature range.

Devices to be subjected to this 100% screening shall be designated by the screening suffix "S" at the end of the related standard part number.

Part numbering example:

Base Part Number
3.0SMCJ5.0CA

Screened Part Number
3.0SMCJ5.0CAS

SCREENING

Performed on 100% of the devices.

SCREEN	CONDITIONS
TEMPERATURE CYCLING	20 CYCLES, -55°C to +150°C
CLAMPING	3 PULSES, RATED POWER (EACH DIRECTION FOR BIDIRECTIONAL DEVICES)
ELECTRICAL TEST	BREAKDOWN VOLTAGE AND REVERSE CURRENT (PER DEVICE SPECIFICATIONS)
LOT DATA REVIEW	CALCULATE LOT MEAN AND STANDARD DEVIATION FOR REVERSE CURRENT
OUT OF FAMILY SCREENING	REMOVAL OF OUT OF FAMILY PRODUCT FOR REVERSE CURRENT

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