Product Overview

PACDN044: Transient Voltage Suppressor Array

For complete documentation, see the data sheet.

The PACDN042/43/44/45/46 family of transient voltage suppressor arrays provide a very high level of protection for sensitive electronic components that may be subjected to electrostatic discharge (ESD). The PACDN042/43/44/45/46 devices safely dissipate ESD strikes, exceeding the IEC 61000-4-2 International Standard, Level 4 (±8 kV contact discharge). All pins are rated to withstand ±20 kV ESD pulses using the IEC 61000-4-2 contact discharge method. Using the MIL-STD-883D (Method 3015 specification for Human Body Model (HBM) ESD, all pins are protected from contact discharges of greater than ±30 kV.

Features

• Two, three, four, five, or six transient voltage suppressors
• Compact SMT package saves board space and facilitates layout in space critical applications
• In-system ESD protection to ±20 kV contact discharge, per the IEC 61000-4-2 international standard

Applications

• ESD protection of PC ports, including USB ports, serial ports, parallel ports, IEEE1394 ports, docking ports, proprietary ports, etc.
• Protection of interface ports or IC pins which are exposed to high ESD levels

End Products

• Digital TV, Set Top Box, PC/Notebook, Gaming

For more information please contact your local sales support at www.onsemi.com.

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