

Product Overview

DF6A6.8: Diode Array for ESD Protection

For complete documentation, see the data sheet.

This quad voltage suppressor is designed for applications requiring transient overvoltage protection capability. It is intended for use in voltage and ESD sensitive equipment such as computers, printers, business machines, communication systems, medical equipment, and other applications. Its quad junction common anode design protects four separate lines using only one package. These devices are ideal for situations where board space is at a premium.

Features

- SC-88 Package Allows Four Separate Unidirectional Configurations
- Low Leakage < 1 μ A @ 5 Volt
- Breakdown Voltage: 6.4 - 7.2 Volt @ 5 mA
- Low Capacitance (40 pF typical)
- ESD Protection Meeting 61000-4-2 Level 4 and 16 kV Human Body Model

Mechanical Characteristics:

- Void Free, Transfer-Molded, Thermosetting Plastic Case
- Corrosion Resistant Finish, Easily Solderable
- Package Designed for Optimal Automated Board Assembly
- Small Package Size for High Density Applications

Part Electrical Specifications

Product	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	$V_{(BR)}$ Min (V)	V_{RWM} Max (V)	I_R Max (μ A)	P_{PK} Max (W)	Package Type
DF6A6.8FUT1G	Pb-free Halide free	Active	General I/O	4	Unidirectional	40	6.4	5	1	75	SC-88-6 / SC-70-6 / SOT-363-6
DF6A6.8FUT2G	Pb-free Halide free	Active	General I/O	4	Unidirectional	40	6.4	5	1	75	SC-88-6 / SC-70-6 / SOT-363-6
SZDF6A6.8FUT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	General I/O	4	Unidirectional	40	6.4	5	1	75	SC-88-6 / SC-70-6 / SOT-363-6

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

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