



## Product Overview

### UESD5.0D: ESD Protection Common Anode Diodes

For complete documentation, see the data sheet

#### Product Description

The uESD Series is designed to protect voltage sensitive components from ESD and transient voltage events. Excellent clamping capability, low leakage, and fast response time, make these parts ideal for ESD protection on designs where board space is at a premium. Because of its small size, it is suited for use in cellular phones, portable devices, digital cameras, power supplies and many other portable applications.

#### Features

- Small Body Outline Dimensions: 0.047 x 0.032 (1.20 mm x 0.80 mm)
- Low Body Height: 0.020 (0.5 mm)
- Response Time is Typically < 1 ns
- ESD Rating of Class 3 (> 16 kV) per Human Body Model, 400 V per Machine Model
- IEC61000-4-2 Level 4 ESD Protection (30 kV)
- IEC61000-4-4 Level 4 EFT Protection (40 A)
- These are Pb-Free Devices

#### Applications

- Designed to protect voltage sensitive components from ESD.
- Excellent clamping capability, low leakage, and fast response time.
- Ideal for ESD protection on designs where board space is at a premium. Suited for use in cellular phones, portable devices, digital cameras, power supplies, and many other portable applications.

#### Part Electrical Specifications

Product	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	V <sub>(BR)</sub> Min (V)	V <sub>RWM</sub> Max (V)	I <sub>R</sub> Max (uA)	P <sub>PK</sub> Max (W)	Package Type
SZUESD5.0DT5G	AEC Qualified PPAP Capable Pb-free Halide free	Active	General I/O	2	Unidirectional	38	6.2	5	0.1	0.24	SOT-723-3
UESD5.0DT5G	AEC Qualified Pb-free Halide free	Active	General I/O	2	Unidirectional	38	6.2	5	0.1	0.24	SOT-723-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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