

# ESDUL5V0P

## Transient Voltage Suppressors

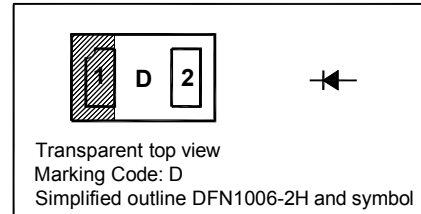
for ESD Protection

### Features

- Low Clamping Voltage
- Low leakage

### PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Value	Unit
IEC61000-4-2 (ESD) Contact Air	$V_{\text{ESD}}$	$\pm 10$ $\pm 15$	KV
Power Dissipation on FR-5 Board <sup>1)</sup>	$P_{\text{tot}}$	150	mW
Junction Temperature	$T_j$	- 55 to + 125	$^\circ\text{C}$
Storage Temperature Range	$T_{\text{stg}}$	- 55 to + 150	$^\circ\text{C}$

<sup>1)</sup>FR-5 = 1.0 x 0.75 x 0.62 in

### Characteristics at $T_a = 25^\circ\text{C}$ ( $V_F = 1\text{ V Max. at } I_F = 10\text{ mA}$ )

Type	Marking Code	Reverse Stand-off Voltage	Reverse Current	Breakdown Voltage		Clamping Voltage	Reverse Peak Pulse Current	Capacitance	
		$V_{\text{RWM}}$	$I_{\text{R}}$ at $V_{\text{RWM}}$	$V_{\text{BR}}$	at $I_{\text{T}}$	$V_{\text{C}}$ at $\text{Max. } I_{\text{PP}}$	$I_{\text{PP}}$	$C_j$	at f
		Max. (V)	Max. ( $\mu\text{A}$ )	Min. (V)	(mA)	Max. (V)	Max. (A)	Typ. (pF)	(MHz)
ESDUL5V0P	D	5	1	5.4	1	9.8	1	0.95	1

**TOP DYNAMIC**



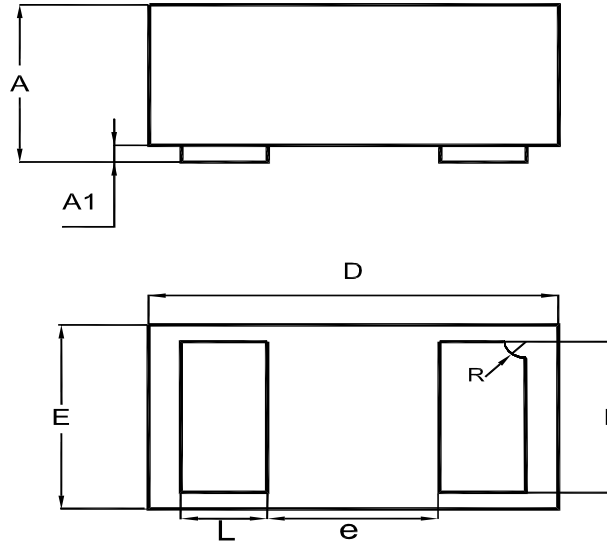
Dated: 24/09/2013 Rev: 02

# ESDUL5V0P

## PACKAGE OUTLINE

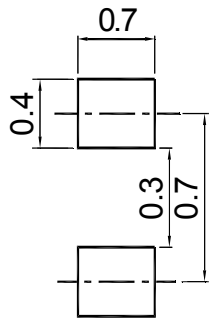
Plastic surface mounted package

DFN1006-2H



UNIT	A	A1	b	D	E	e	L	R
mm	0.51 0.46	0.05 0	0.55 0.45	1.05 0.95	0.65 0.55	0.4	0.3 0.2	0.15 0.05

## Recommended Soldering Footprint



## Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
DFN1006-2H	8	4 ± 0.1	0.157 ± 0.004	178	7	5,000

**TOP DYNAMIC**



Dated: 24/09/2013 Rev: 02