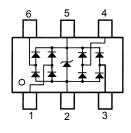
# 4-Channel Low Capacitance TVS Array





<sup>1.</sup> I/O1 2. GND 3. I/O2 4. I/O3 5. VCC 6. I/O4 SOT-26 Plastic Package

# Absolute Maximum Ratings (at $T_a = 25^{\circ}C$ unless otherwise specified)

Parameter		Symbol	Value	Unit
Peak Power Dissipation (tp = 8/20 µs)		P <sub>PK</sub>	150	W
Peak Pulse Current (tp = 8/20 µs)		I <sub>PP</sub>	10	А
ESD (IEC61000-4-2)	Air Contact	V <sub>ESD</sub>	± 30 ± 20	KV
Operating Temperature Range		T <sub>opr</sub>	- 40 to + 85	°C
Junction Temperature		Tj	125	°C
Storage Temperature Range		T <sub>stg</sub>	- 65 to + 150	°C

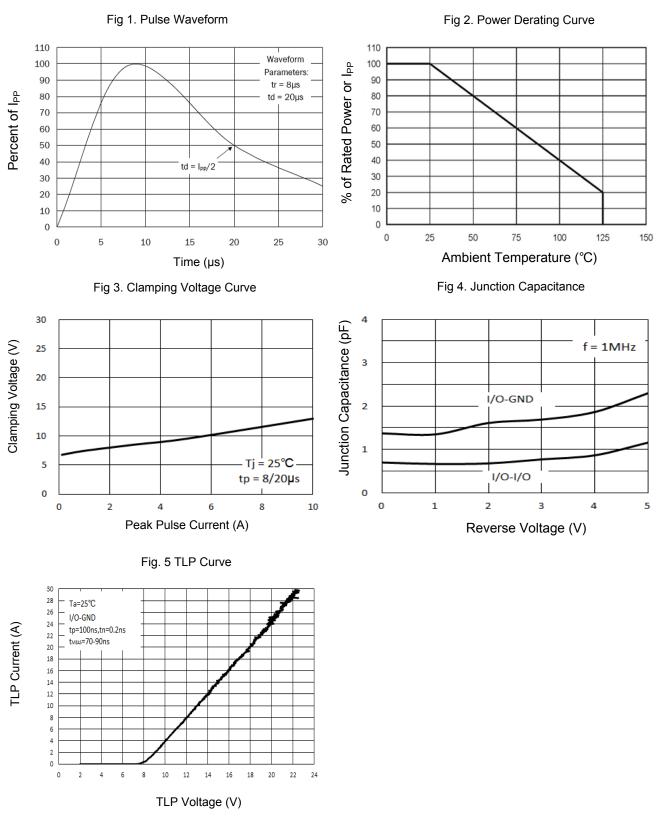
### Characteristics at T<sub>a</sub> = 25°C

Parameter	Symbol	Min.	Тур.	Max.	Unit
Reverse Stand-off Voltage	V <sub>RWM</sub>	-	-	6	V
Reverse Breakdown Voltage at I <sub>R</sub> = 1 mA	V <sub>(BR)R</sub>	6.5	8	-	V
Leakaeg Current at $V_R = 5 V$	I <sub>R</sub>	-	0.1	0.5	μA
Clamping Voltage at $I_{PP} = 1 \text{ A}$ , tp = 8/20 $\mu$ s , I/O Pins to GND at $I_{PP} = 5 \text{ A}$ , tp = 8/20 $\mu$ s , I/O Pins to GND at $I_{PP} = 8 \text{ A}$ , tp = 8/20 $\mu$ s , I/O Pins to GND	Vc	- - -	8.8 11.5 13.2	10 13 15	V
Clamping Voltage at $I_{TLP} = 4$ A, tp = 0.2/100 ns, I/O Pins to GND at $I_{TLP} = 16$ A, tp = 0.2/100 ns, I/O Pins to GND	V <sub>CL</sub>	-	10.1 15.9	-	V
Junction Capacitance at $V_R = 0 V$ , f = 1 MHz , Between I/O Pins to GND at $V_R = 1.65 V$ , f = 1 MHz , Between I/O Pins to GND at $V_R = 0 V$ , f = 1 MHz , Between I/O Pins	Cj	- - -	2.4 2 1.2	3 - -	pF
Dynamic Resistance 1)	R <sub>dyn</sub>	-	0.5	-	Ω

 $^{1)}$  Dynamic Resistance calculated from  $I_{_{TLP}}$  = 4A to  $I_{_{TLP}}$  = 16 A .



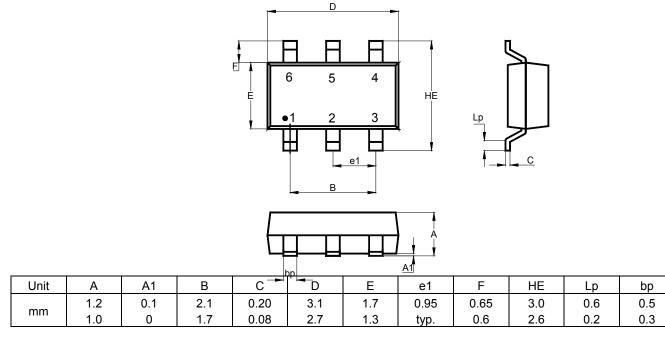
#### **Electrical Characteristic Curves**



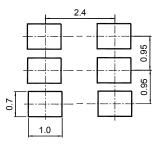


# Package Outline (Dimensions in mm)

SOT-26



### **Recommended Soldering Footprint**



# Packing information

Package Tape Width (mm)	Pitch		Reel Size		Per Peel Peeking Quantity	
	(mm)	mm	inch	mm	inch	Per Reel Packing Quantity
SOT-26	8	4 ± 0.1	0.157 ± 0.004	178	7	3,000

#### **Marking information**

"   6 " – Dort No	-		
" L6 " = Part No.		$\prec$	
"YM" = Date Code Marking		ΥM	
"Y" = Year			L6
"M" = Month	_	•	
Font type: Arial	Pin1 point		

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