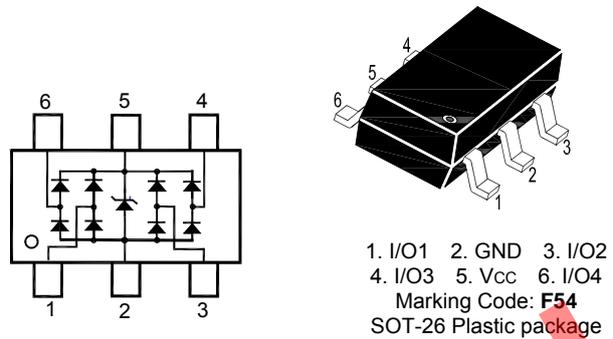


ESDLC0504D

4-Channel Low Capacitance TVS Array

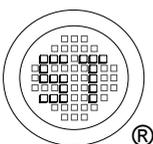


Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Peak Pulse Current ($t_p = 8/20\ \mu\text{s}$)	I_{PP}	6	A
Peak Pulse Power ($t_p = 8/20\ \mu\text{s}$)	P_{PK}	150	W
ESD per IEC 61000-4-2 (Air) ESD per IEC 61000-4-2 (Contact)	V_{ESD}	15 8	KV
Operation Temperature Range	T_j	- 55 to + 125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25\text{ }^\circ\text{C}$

Parameter	Symbol	Min.	Max.	Unit
Reverse Stand-Off Voltage at Pin 5 to 2	V_{RWM}	-	5	V
Reverse Breakdown Voltage at $I_r = 1\ \text{mA}$, Pin 5 to 2	$V_{(BR)R}$	6	-	V
Reverse Current at $V_{RWM} = 5\ \text{V}$, Pin 5 to 2	I_R	-	3	μA
Clamping Voltage at $I_{PP} = 1\ \text{A}$, $t_p = 8/20\ \mu\text{s}$, Any Pin to Pin 2	V_C	-	15	V
Clamping Voltage at $I_{PP} = 6\ \text{A}$, $t_p = 8/20\ \mu\text{s}$, Any Pin to Pin 2	V_C	-	25	V
Junction Capacitance at $V_R = 0\ \text{V}$, $f = 1\ \text{MHz}$, Any I/O Pin to Pin 2 at $V_R = 0\ \text{V}$, $f = 1\ \text{MHz}$, Between I/O Pins	C_j	-	3 1.5	pF



SEMTECH ELECTRONICS LTD.
Subsidiary of Sino-Tech International (BVI) Limited

