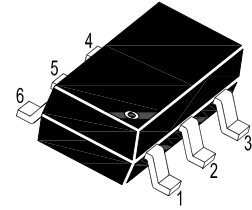
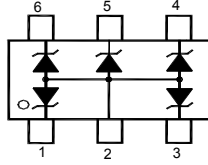


ESDHC05D

TVS Array



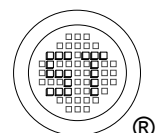
1. I/O1 2. GND 3. I/O2
4. I/O3 5. VCC 6. I/O4
Marking Code:EF
SOT-26 Plastic package

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

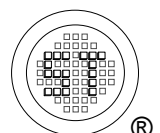
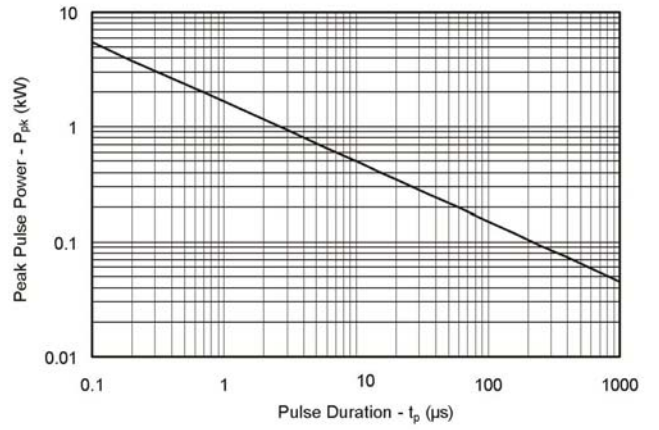
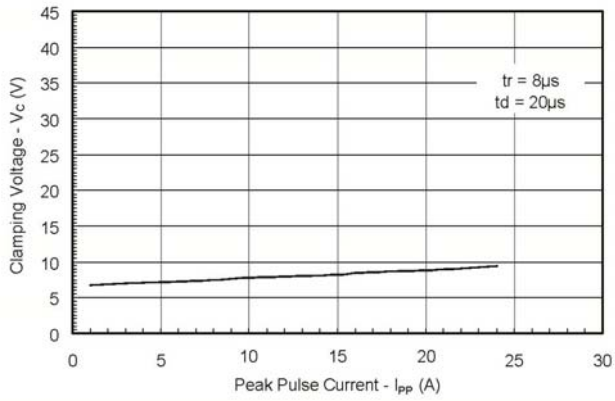
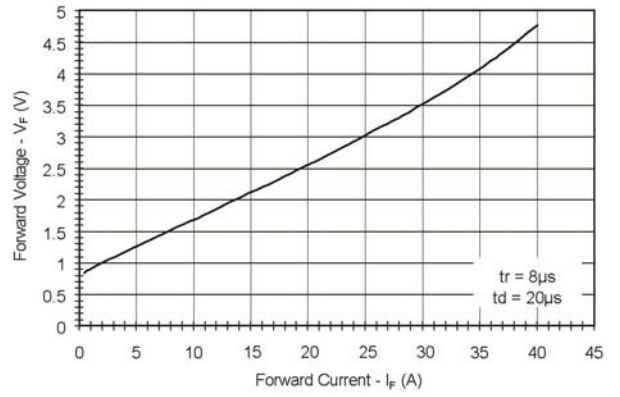
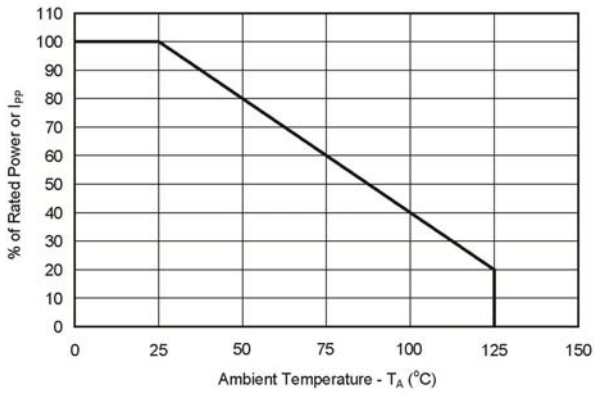
Parameter	Symbol	Value	Unit
Peak Pulse Power ($t_p = 8/20 \mu\text{s}$)	P_{PK}	300	W
Peak Forward Voltage ($I_F = 1 \text{ A}$, $t_p = 8/20 \mu\text{s}$)	V_{FP}	1.5	V
Peak Pulse Current ($t_p = 8/20 \mu\text{s}$)	I_{PP}	24	A
Operation Temperature Range	T_j	- 55 to + 125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Reverse Stand-Off Voltage	V_{RWM}	-	5	V
Reverse Breakdown Voltage at $I_T = 1 \text{ mA}$	V_{BR}	6	-	V
Leakage Current at $V_R = 5 \text{ V}$	I_R	-	20	μA
Clamping Voltage at $I_{PP} = 5 \text{ A}$, $t_p = 8/20 \mu\text{s}$	V_C	-	9.8	V
Clamping Voltage at $I_{PP} = 24 \text{ A}$, $t_p = 8/20 \mu\text{s}$	V_C	-	14.5	V
Junction Capacitance at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	C_j	-	400	pF



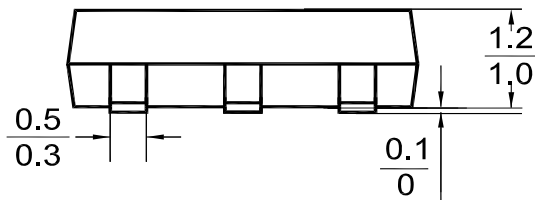
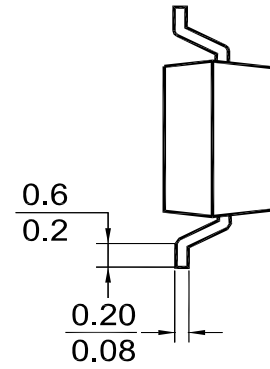
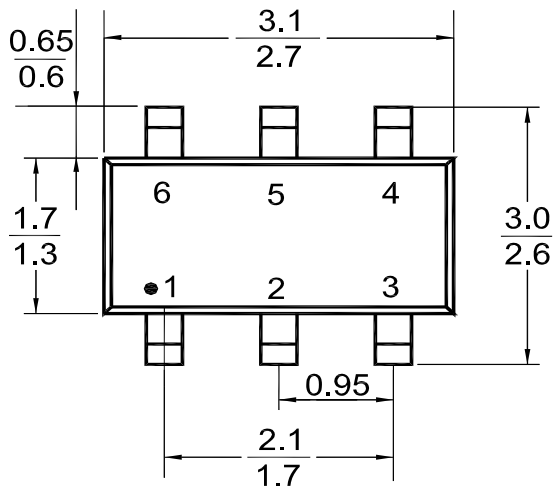
ESDHC05D



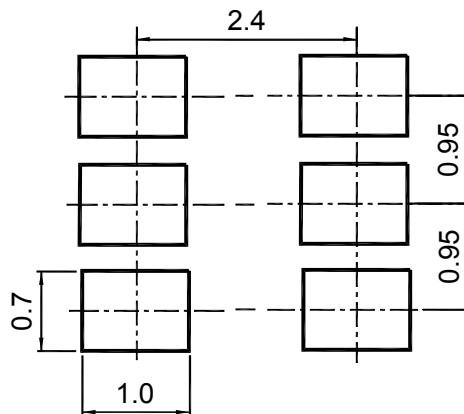
ESDHC05D

Package Outline Dimensions (Units: mm)

SOT-26



Recommended Soldering Footprint



Packing information

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

