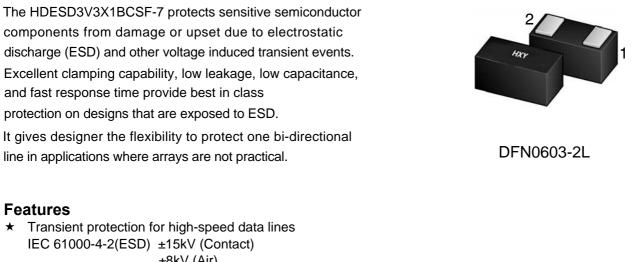


Discription



- ±8kV (Air) IEC 61000-4-4(EFT) 40A (5/50 ns)
- Package optimized for high-speed lines
- * Low capacitance: 0.55pF (Typical) \star
- ★ Ultra-small package (0.6mmx0.3mmx0.3mm)
- ★ Protects one I/0 line
- ★ Low clamping voltage
- Low leakage current

Orderingin formation

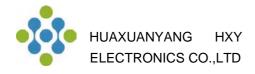
Product ID	Pack	Qty(PCS)
HDESD3V3X1BCSF-7	DFN0603-2L	15000

Absolute Ratings(Tamb = 25°C)

Symbol	Parameter	Value	Units
P _{PP}	Peak Pulse Power (t _P = 8/20µs)	96	W
TL	Maximum lead temperature for soldering during 10s	260	°C
T _{stg}	Storage Temperature Range	-55 to +150	°C
T _{op}	Operating Temperature Range		°C
Tj	Maximum junction temperature		°C
	IEC61000-4-2 (ESD) air dischar contact dischar		κv

1 O **O** 2

Circuit Diagram

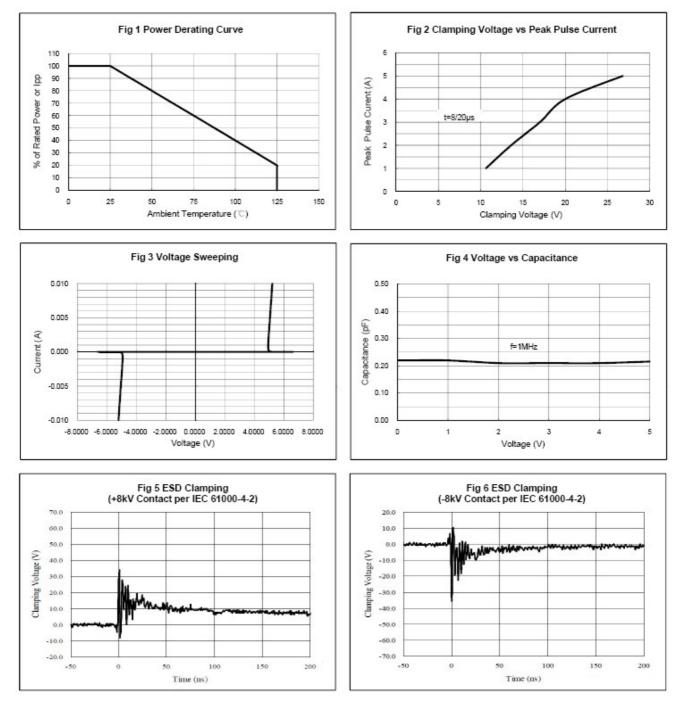


Electrical Characteristics

Symbol	Parameter	Test Condition	Min	Тур	Max	Units
Vrwm	Reverse Working Voltage				3.3	V
Vbr	Reverse Breakdown Voltage	l⊤ = 1mA	4.2			V
IR	Reverse Leakage Current	$V_{RWM} = 3.3V$			100	nA
Vc		$I_{RWM} = 1A, t_{P} = 8/20 \mu s$			12	V
vc	Clamping Voltage	$I_{RWM} = 4A, t_{P} = 8/20 \mu s$			24	V
CJ	Junction Capacitance	$V_R = 0V, f = 1MHz$		0.55	0.7	pF

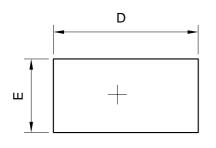


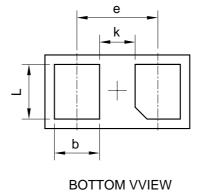
Typical Characteristics





Outline And Dimensions





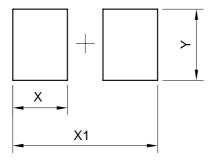
DFN0603-2L			
Dim	Min	Тур.	Max
D	0.58	0.61	0.64
Е	0.28	0.31	0.34
е	-	0.34	-
L	0.20	0.23	0.26
b	0.16	0.19	0.22
А	0.25	0.28	0.31
k	0.12	0.15	0.18
All Dimensions in mm			

TOP VIEW



SSIDE VIEW

Soledering Footprint



DFN0603-2L	
DIM	(mm)
Х	0.23
X1	0.61
Y	0.30



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