

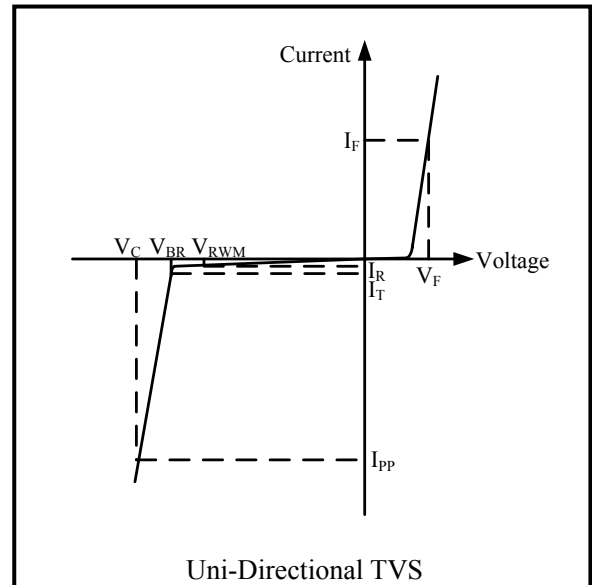


Absolute Maximum Rating

Symbol	Parameter	Value	Units
V_{ESD}	ESD per IEC 61000-4-2 (Air) ESD per IEC 61000-4-2 (Contact)	± 30 ± 30	kV
I_{PP}	Peak Pulse Current(8/20us)	40	A
T_{OPT}	Operating Temperature	-55/+150	°C
T_{STG}	Storage Temperature	-55/+150	°C
T_L	Lead Soldering Temperature	260 (10 sec.)	°C

Electrical Characteristics (T = 25°C)

Symbol	Parameter
V_{RWM}	Nominal Reverse Working Voltage
I_R	Reverse Leakage Current @ V_{RWM}
V_{t1}	Trigger Voltage
I_{t1}	Trigger Current @ V_{t1}
V_h	Holding Voltage
I_h	Holding Current @ V_h
V_C	Clamping Voltage @ I_{PP}
V_{CR}	Reverse Clamping Voltage @ I_{PP}
I_{PP}	Maximum Peak Pulse Current
C_{ESD}	Parasitic Capacitance

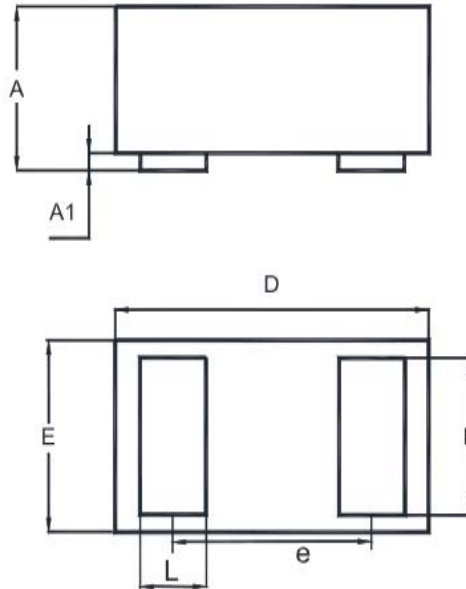


Symbol	Test Condition	Minimum	Typical	Maximum	Units
V_{RWM}				19	V
I_R	$V_{RWM} = 19V, T = 25^\circ C$		0.01	0.1	μA
V_{BR}	$I_T = 1mA$	20		23.5	V
V_C	$I_{PP} = 40A, t_p = 8/20\mu s$		34	40	V
C_{ESD}	$V_R = 0V, f = 1MHz$		265		pF



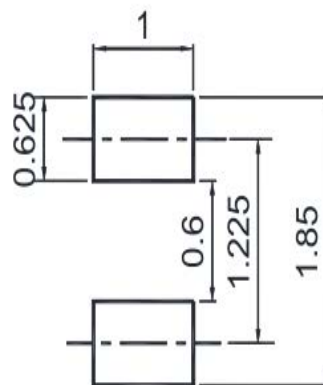
Package Outline Demensions

□ DFN1610-2L Package

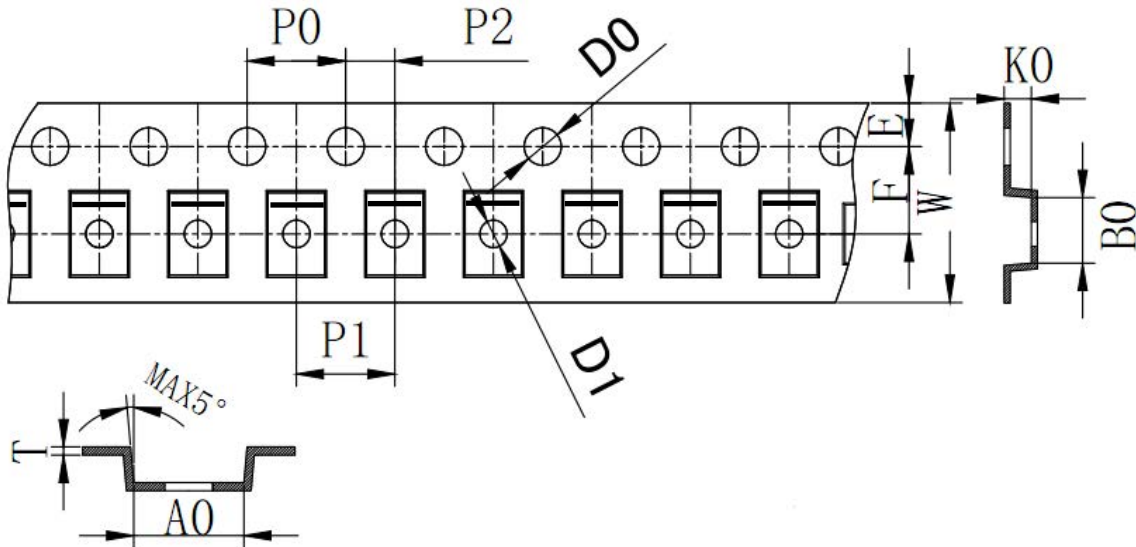


UNIT	A	A1	b	D	E	e	L
mm	0.55	0.05	0.95	1.65	1.05	1.1	0.45
	0.45	0	0.85	1.55	0.95		0.35

Recommended Soldering Footprint

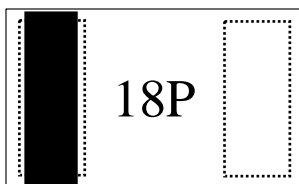


Tape and Reel Specification



SYMBOL	A0	B0	K0	P0	P1	P2
SPEC	1.15±0.05	1.80±0.05	0.63±0.05	4.00±0.10	2.00±0.10	2.00±0.05
SYMBOL	T	E	F	D0	D1	W
SPEC	0.20±0.05	1.75±0.10	3.50±0.05	1.55±0.05	0.60 ^{+0.10} ₋₀	8.00 ^{+0.30} _{-0.10}

Marking Codes



Note:

(1) "18P" is part number, fixed

Ordering Information

Part Number	Working Voltage	Quantity Per Reel	Reel Size
TS1911LDX	19V	3,000	7 Inch

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