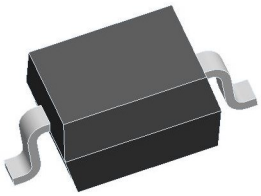
PLD03C through PLD02C24C

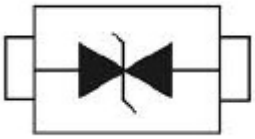
ESD Protection Device

Applications

- Personnal Digital Assistance
- Wireless System
- Cellular Phones
- High Speed Data Line
- Ethernet
- USB Interface



SOD323



Feature

- Bi-directional configurations
- ESD Protection:Level 4
- Low clamping voltage
- 350 Watts peak pulse power per line(tp=8/20uS)
- Protection one power line or I/O port

Mechanical Characteristics

- Molded JEDEC SOD-323
- Weight 5 milligrams
- Flammability rating UL 94V-0
- Halgen Free

IEC Compatibility

- EN61000-4
- 61000-4-2(ESD):Level 4,Contact:±8kv,Air::±15kv
- 61000-4-4(EFT):40A-5/50ns
- 61000-4-5(Surge):12A,8/20us

Device Characteristics

Maximum Ratings@25 unless otherwise specified			
Parameter	Symbol	Value	Units
Peak pulse power (tp=8/20us) see fig 1.	P_{PP}	350	Watts
Operating Temperature	T_J	-55~150	°C
Storage Temperature	T_{STG}	-55~150	°C

Electrical Characteristics

Electronical characteristics per line @25 unless otherwise specified

Part No.	Rated Stand-off Voltage V_{WM} Volts	Minimum Breakdown Voltage @1mA $V_{(BR)}$ Volts	Maximum Clamping Voltage @I_P=1A V_C Volts	Maximum Clamping Voltage @8/20us V_C@I_{PP}	Maximum Leakage Current @V_{WM} I_R uA	Maximum Capacitance @0V,1MHZ C pF
PLD03C	3.3	4.0	7.0	19.0V@20A	5	100
PLD05C	5.0	6.0	9.8	18.3V@17A	5	100
PLD08C	8.0	8.5	13.4	18.5V@17A	2	100
PLD12C	12.0	13.3	19.0	28.6V@11A	1	100
PLD15C	15.0	16.7	24.0	31.8V@10A	1	100
PLD18C	18.0	20.0	29.0	45.0V@8A	1	100
PLD24C	24.0	26.7	43.0	56.0V@6A	1	100

Rating and characteristic curve

FIGURE 1
PEAK PULSE POWER VS PULSE TIME

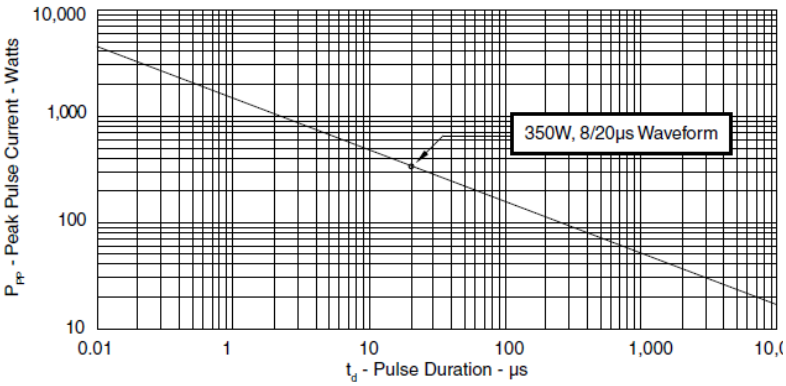
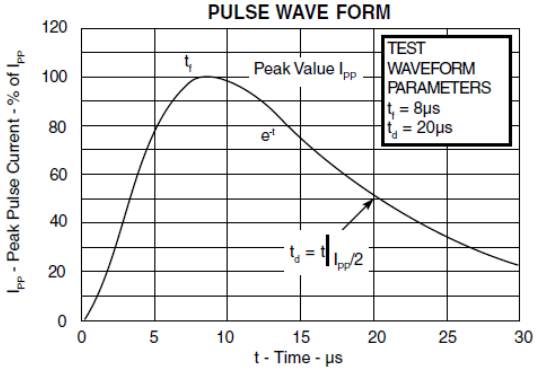
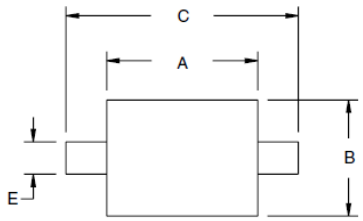


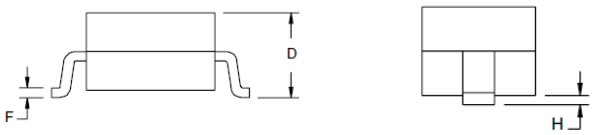
FIGURE 2
PULSE WAVE FORM



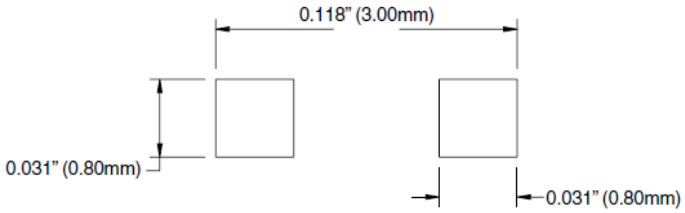
Ordering information



Package dimensions				
DIM	Millmeters		Inchs	
	Min	Max	Min	Max
A	1.60	1.90	0.063	0.075
B	1.15	1.45	0.045	0.057
C	2.39	2.70	0.094	0.106
D	0.92	1.10	0.036	0.043
E	0.25	0.40	0.010	0.016
F	0.10	0.20	0.004	0.008
H		0.10		0.004



Mountingpad



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