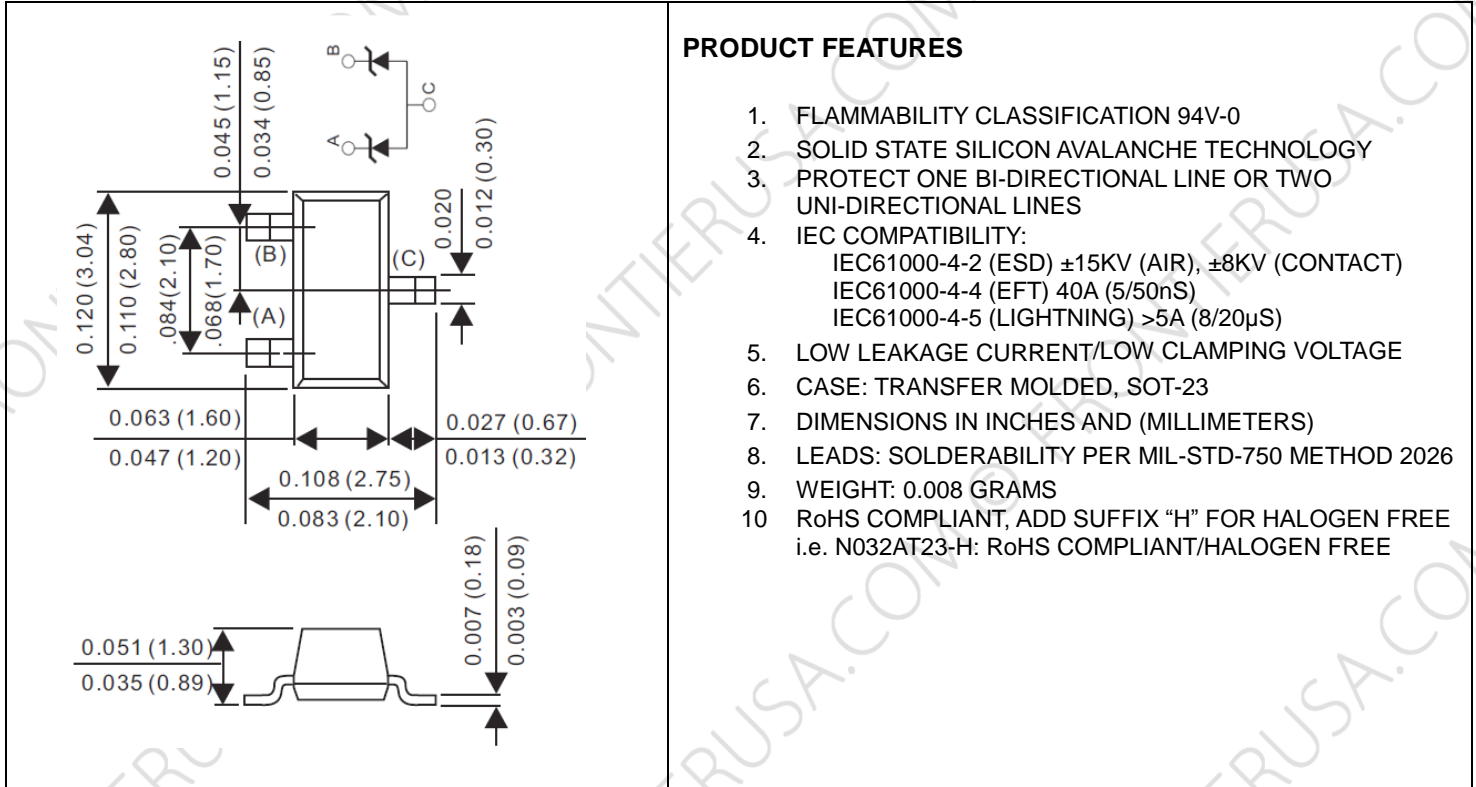


SMD DUAL UNI-DIRECTIONAL TVS FOR ESD PROTECTION DIODES, 3.3V-36V



ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$ UNLESS OTHERWISE NOTED) AND ELECTRICAL CHARACTERISTICS

RATING	SYMBOL	UNITS
PEAK PULSE POWER, $t_p=8/20 \mu\text{S}$	P_{PP}	400 W
STORAGE TEMPERATURE RANGE	T_{STG}	- 55 TO +150 °C
OPERATING JUNCTION TEMPERATURE RANGE	T_J	- 55 TO +150 °C

PART NUMBER	Max. V_{RWM} (V)	Max I_R @ V_{RWM} (μA)	Min V_{BR} @ $I_T=1\text{mA}$ (A)	Max V_C @ $I_{PP}=1\text{A}$ (V)	Max I_{PP} (A)	V_C @ Max I_{PP} (V) (NOTE 1)	MAX P_{PK} (W) (NOTE 1)	MAX C_J (pF)	MARKING
N032AT23	3.3	20	4	7.5	25	10	250	450	B03C
N052AT23	5.0	5	6	9.8	20	12	240	350	B05C
N122AT23	12	1	13.3	19	15	24	360	150	B12C
N242AT23	24	1	26.7	43	10	47	470	88	B24C
N362AT23	36	1	40	50	5	75	375	80	B36C

NOTE : 1. SURGE CURRENT WAVEFORM PER FIG 1.
2. V_{BR} IS MEASURED AT AMBIENT TEMPERATURE OF 25°C .

RATINGS AND CHARACTERISTIC CURVES

FIG.1 Pulse Waveform

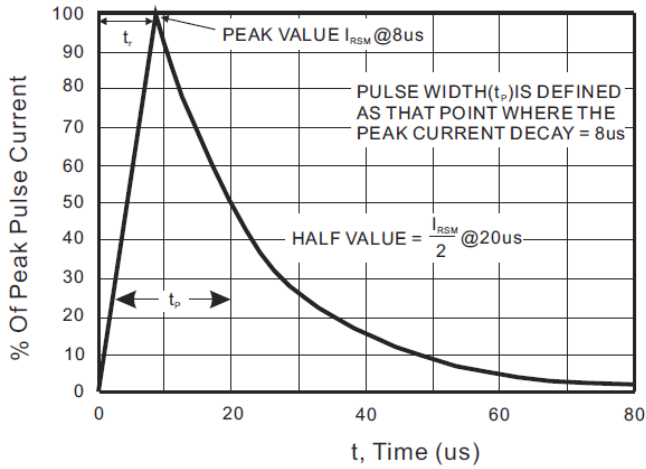


FIG.2 Power Derating Curve

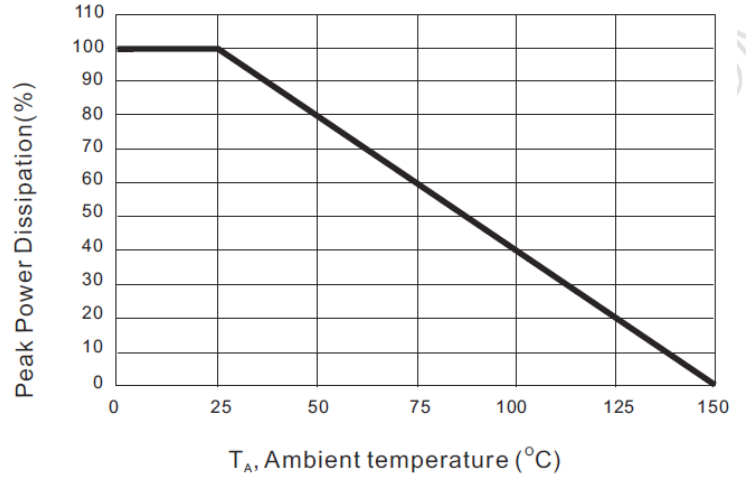


FIG.3 Non-Repetitive Peak Pulse Power vs. Pulse Time

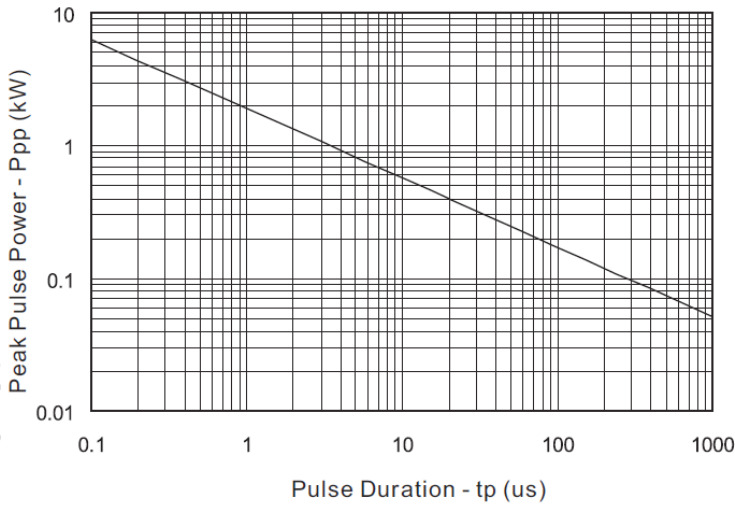
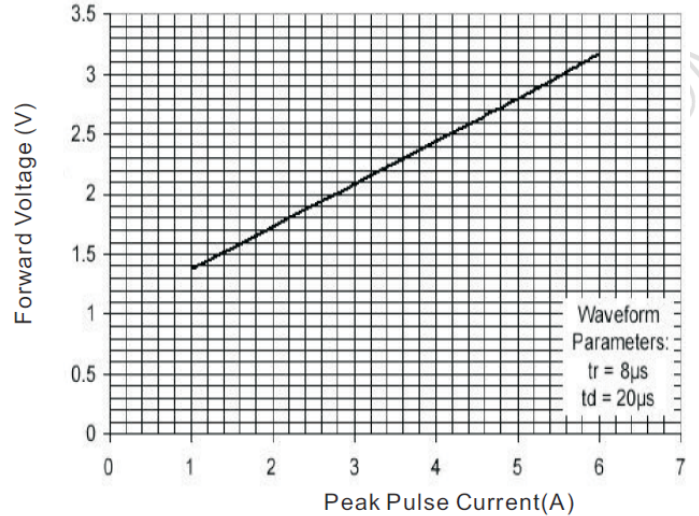


FIG.4 Forward Characteristics



LAYOUT RECOMMENDATION

