SOT-23 TVS

TVS Array in a SOT23 Plastic Package.

1ns 30KV ] ĩ $ d̰

## / Absolute Maximum Ratings(Ta=25 )

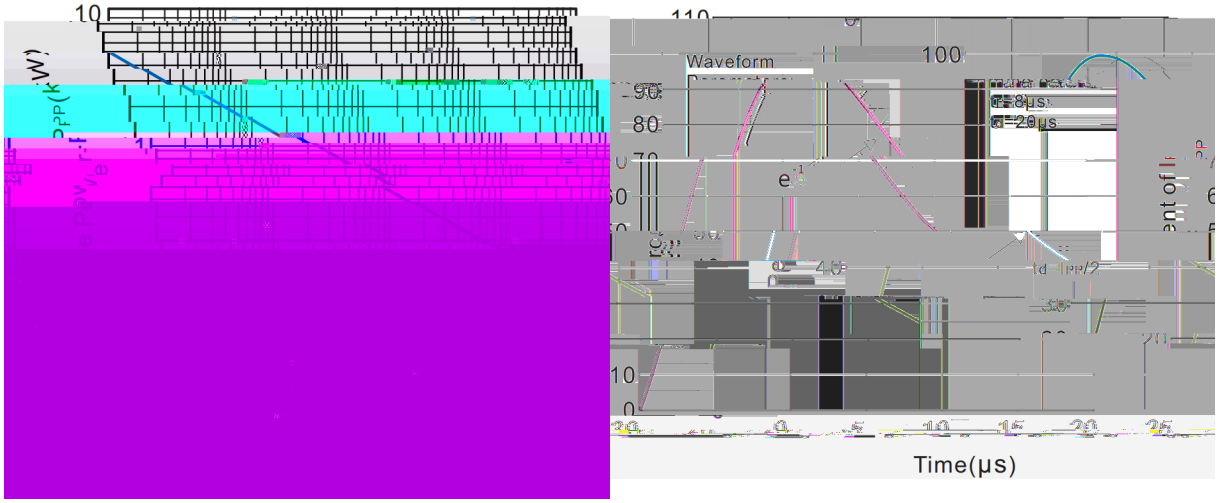
| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Peak Pulse Power (tp = 8/20 s) | $P_{PP}$ | 350 | W |
| Peak Pulse Current (tp = 8/20 s) | $I_{PP}$ | 8.0 | A |
| ESD per IEC 61000-4-2 (Air) | $V_{ESD1}$ | ±30 | kV |
| ESD per IEC 61000-4-2 (Contact) | $V_{ESD2}$ | ±30 | kV |
| Operating Temperature | $T_{OPR}$ | -55 to +150 | |
| Storage Temperature | $T_{STG}$ | -55 to +150 | |

## / Electrical Characteristics(Ta=25 )

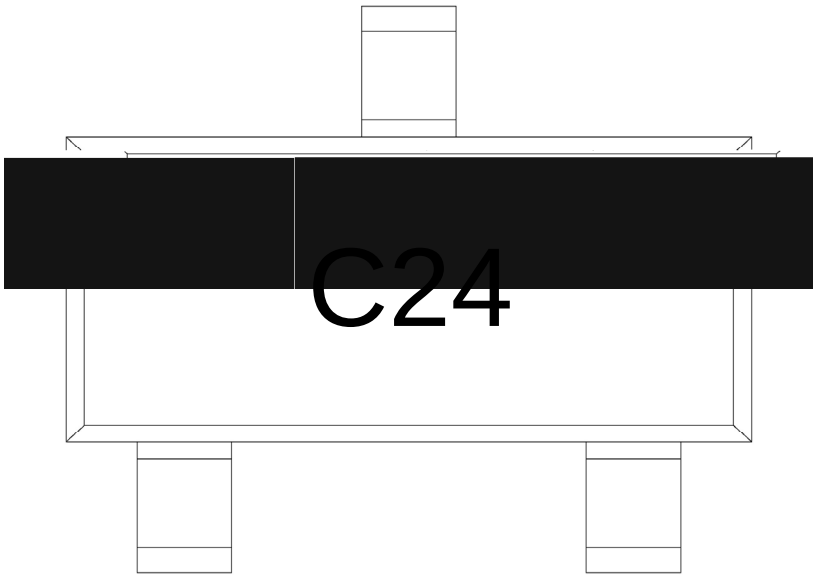
| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Reverse Stand-Off Voltage | $V_{RWM}$ | | | | 24 | V |
| Reverse Breakdown Voltage | $V_{BR}$ | It=1mA | 26.7 | | | V |
| Reverse Leakage Current | $I_R$ | $V_{RWM}$=24V T=25 | | | 1 | A |
| Clamping Voltage | $V_C$ | $I_{PP}$ =1.0A $t_p$=8/20 S | | | 33 | V |
| | $V_C$ | $I_{PP}$ =8.0A $t_p$=8/20 S | | | 44 | V |
| Capacitance. Any I/O pin to GND | $C_J$ | $V_R$=0V f=1MHz | | 25 | 30 | pF |

## / Electrical Characteristic Curve

**Fig.1 Non-Repetitive Pulse Po2.H03(e2.2r ve2.2s)-1.(. PulseT)18.(i)32.2me**



## / Marking Instructions




C24

Note:

C24: Product Type Code

## ( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | | 150 | 200 | | 60 | 120sec; | 1.Preheating:150~200 , Time:60~120sec. |
| 2 | | 255±5 | | | | 5±0.5sec; | 2.Peak Temp.:255±5 , Duration:5±0.5sec. |
| 3 | | | | 2 | 10 | /sec. | 3.Cooling Speed: 2~10 /sec. |

## / Resistance to Soldering Heat Test Conditions

| | | | |
|---|---|---|---|
| 260±5 | 10±1 sec. | Temp.:260±5 | Time:10±1 sec |