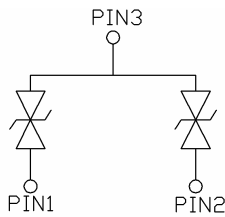




- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
- Dual Line CAN-FD Bus Protector for SOT-23 Package
- Max Peak Pulse Power 180W per Line (tp=8/20 μs)
- IEC 61000-4-2, level 4 (ESD)
- IEC 61000-4-5 (surge), I = 5A at tp = 8/20 μs
- Part no. with suffix "Q" means AEC-Q101 qualified



(Ta=25F

- Automotive Controlled Area Network

- SOT-23
- Tin plated leads, solderable per J-STD-002 and JESD22-B102

	PP	A	2
P t loade T emmeo a t roe R akde	T _{p t d}	Á C	- 22 ~ (.20
J rk c t flk T emmeo a t roe	J	T Á C	- 22 ~ (.20
Hrm a k Blav Mla e HBM Note2	V _{ESD}	kV	30
IEC 61000-4-2 (contact discharge) Note2		kV	30

Note1 Non-repetitive current pulse 8/20 μs exponential decay waveform according to IEC 61000-4-5.

Note2 Measured from pin 1 to 3 or 2 to 3.

(Ta=25 unless otherwise noted)

Reverse Working Voltage	V _{RWM}	V		-	-	24
Reverse Breakdown Voltage	V _{BR}	V	I _r =1mA	25.5		35.5
Reverse Leakage Current	I _R	nA	V _{RWM} =24V	-	1	50

Clamping Voltage(pin 1 to 3 or 2 to 3)) c

	j	pF	V _R =0V, f=1MHZ	-	6	10
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Notes:

(1). Non-repetitive current pulse, according to IEC61000-4-5.

(2). TLP parameter: Z0 = 50Ω, tp = 100ns, tr = 2ns, averaging window from 60ns to 80ns. RDYN is calculated from 4A to 16A.

(Example)

ESD2CANFD24T2Q	F2	Approximate 0.01	3000	30000	120000	7" reel

(Typical)

Fig.1: 8/20 μ s Pulse Waveform

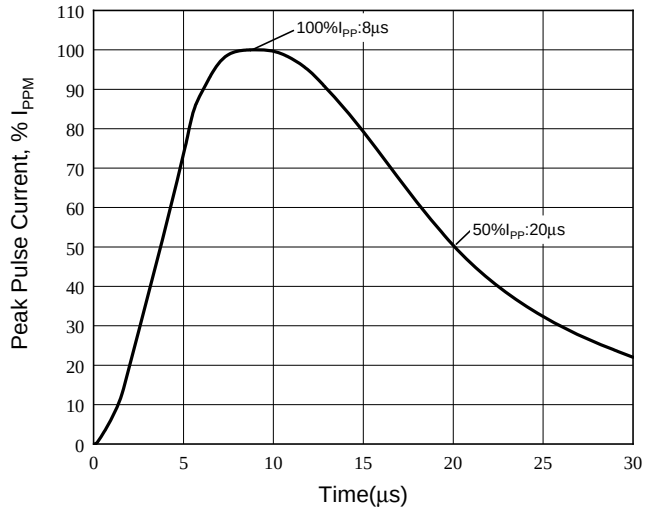


Fig.2 :Peak Pulse Current vs Clamping Voltage

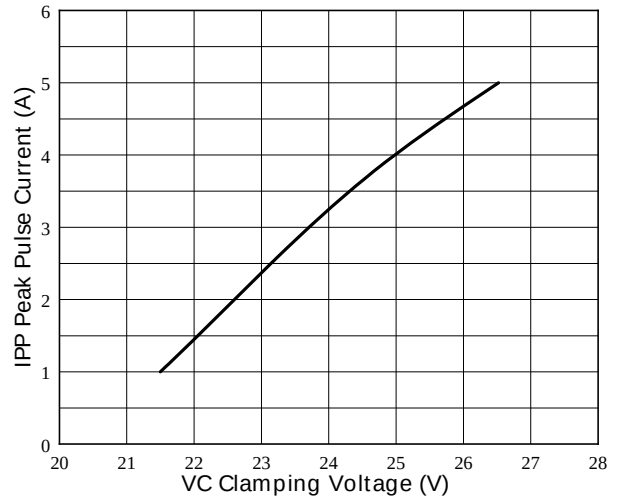
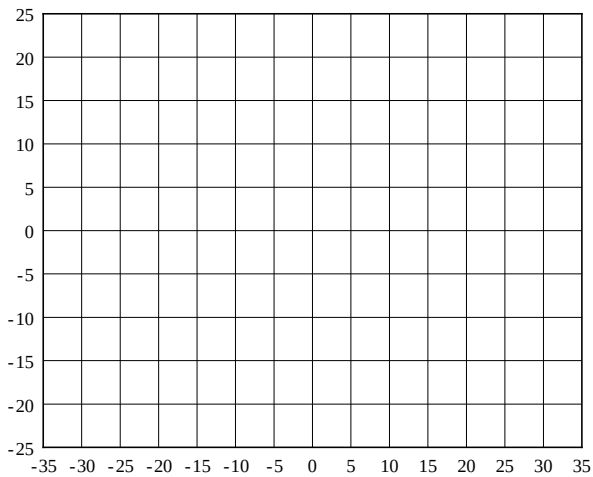
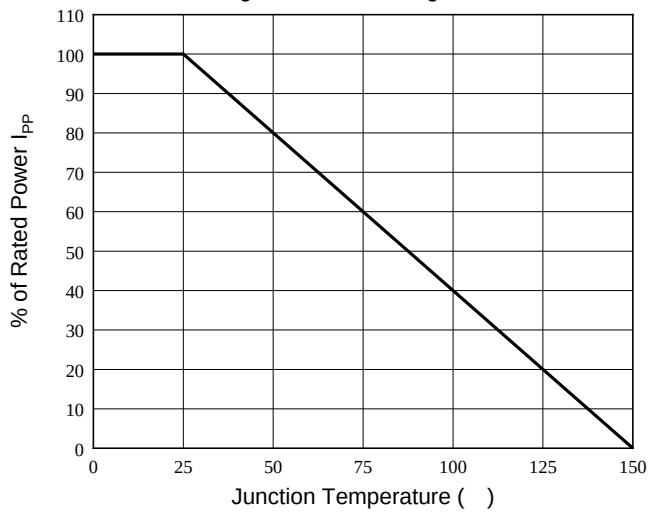
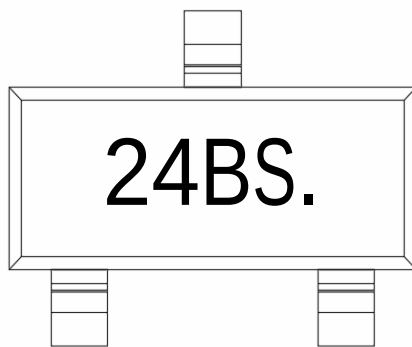
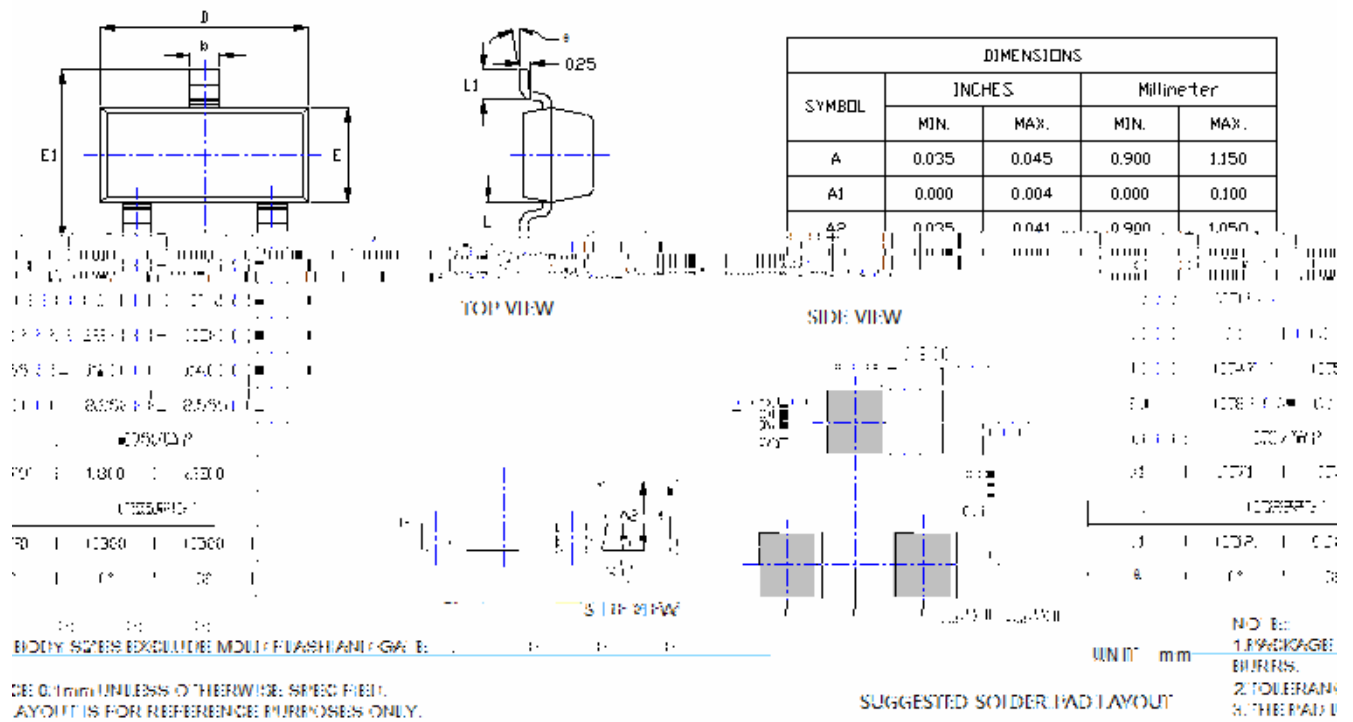


Fig.3: Power Derating Curve





Note:

1. All marking is at middle of the product body
2. All marking is in laser marking
3. Body color: Black



Th^ω τρ