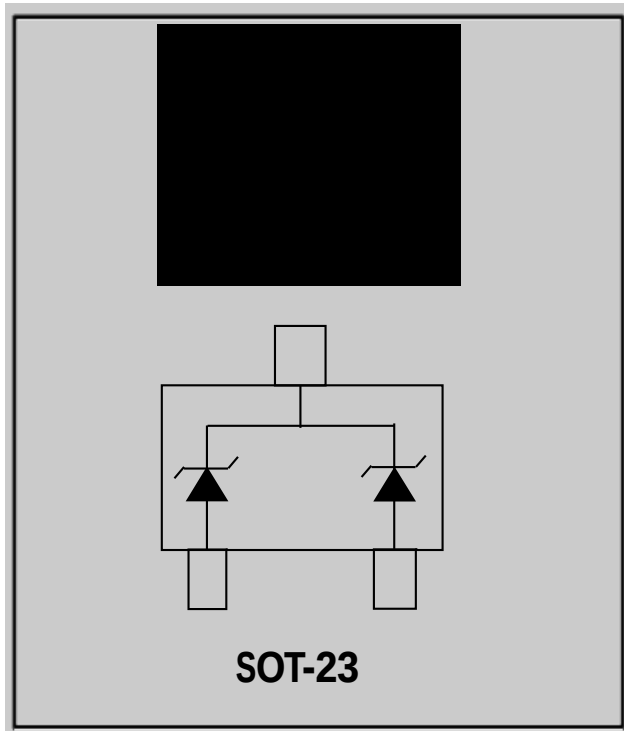
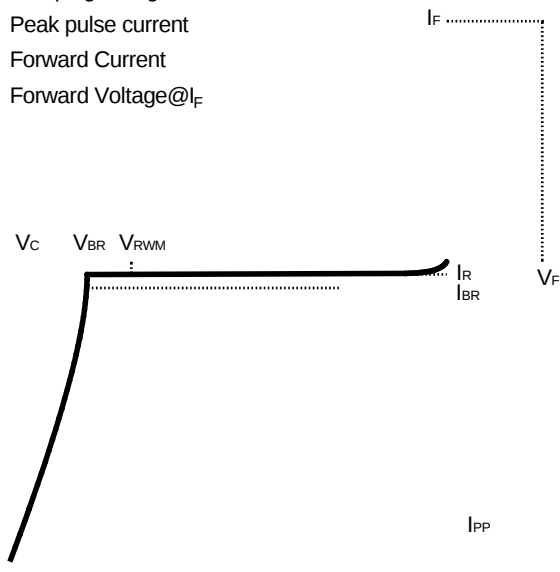




- Reverse stand-off voltage
- I_R Reverse leakage current
- V_{BR} Reverse breakdown voltage
- V_C Clamping voltage
- I_{PP} Peak pulse current
- I_F Forward Current
- V_F Forward Voltage@ I_F





ESD2402ETQ

■Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
Peak pulse power ($t_p = 8/20\mu s$)	P_{pk}	300	W
ESD according to IEC61000-4-2 air discharge	V_{ESD}	± 30	KV
ESD according to IEC61000-4-2 contact discharge		± 30	
Junction temperature	T_J	-55~150	-
Storage temperature	T_{STG}	-55~150	-

Notes:

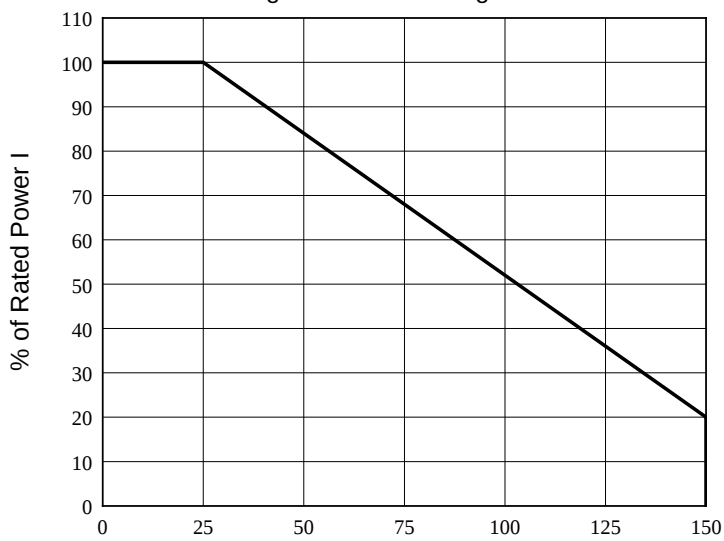
CAUTION: Stresses above those listed in "Absolute Maximum Ratings" may cause permanent damage to the component. This is a stress only rating and operation of the component at these or any other conditions above those indicated in the operational sections of this specification is not implied.

■Electrical Characteristics $T_J=25$

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse Standoff Voltage	V_{RWM}	V	$I_R \leq 1\mu A$			24
Reverse breakdown voltage	V_{BR}	V	$I_{BR} = 1mA$	26.7		30
Reverse leakage current	I_R	μA	$V_{RWM} = 24V$			1.0
Forward Voltage	V_F	V	$I_F = 10mA$			1.1
Clamping voltage ¹⁾	V_C	V	$I_{PP} = 1A, t_p = 8/20\mu s$			32
			$I_{PP} = 5A, t_p = 8/20\mu s$			42
			$I_{PP} = 7A, t_p = 8/20\mu s$			44
Dynamic resistance ²⁾	R_{DYN}	Ω	TLP, $t_p = 100ns$, I/O to Ground		0.36	
Peak Pulse Current	I_{PP}	A	$t_p = 8/20\mu s$			7



Fig.3: Power Derating Curve





■ Outline Dimensions

■ Marking Information

24C.

Note:

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



Disclaimer

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