

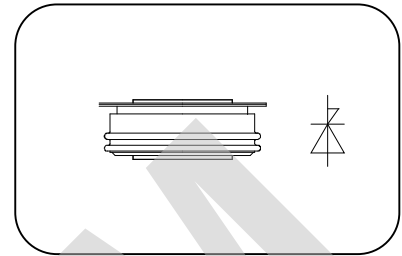
**Features:**

- n High power
- n High reliability
- n Low price, Long life

**Typical Applications:**

- n Generator for power exciter
- laser pumping
- n Pulse energization of electrostatic precipitator

**I<sub>P</sub>**            **50 KA**  
**V<sub>DRM</sub>**        **2000-2500V**  
**I<sub>TSM</sub>**         **5 KA**



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	VALUE			UNIT
			Min	Type	Max	
<b>I<sub>P</sub></b>	Repetitive peak current	T <sub>j</sub> =25°C I <sub>RT</sub> =250A t <sub>p</sub> =50μs			50	KA
<b>V<sub>DRM</sub></b>	Repetitive peak off-state voltage	T <sub>j</sub> =25°C	2000		2500	V
<b>I<sub>TSM</sub></b>	Surge on-state current	T <sub>j</sub> =25°C t <sub>p</sub> =10ms			5	KA
<b>V<sub>TM</sub></b>	Peak forward voltage	T <sub>j</sub> =25°C I <sub>p</sub> =50KA t <sub>p</sub> =50μs			20	V
<b>dv/dt</b>	Critical rate of rise of off-state voltage				0.8	KV/μs
<b>di/dt</b>	Critical rate of rise of on-state current	T <sub>j</sub> =25°C t <sub>p</sub> =50μs			13	KA/μs
<b>I<sub>RT</sub></b>	Reverse peak trigger current			0.25		KA
<b>T<sub>T</sub></b>	peak trigger current duration		1.5		2.5	μs
<b>t<sub>q</sub></b>	Circuit commutated turn-off time			80		μs
<b>F<sub>m</sub></b>	Mounting force		10		20	KN
<b>Outline</b>	ZT33aT					

**Outline:**

