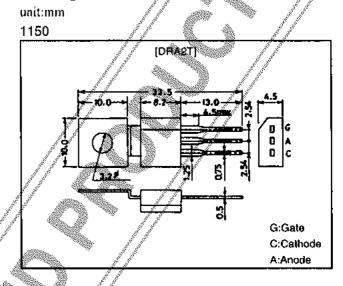


### Features

- · TO-202 package facilitating easy mounting.
- · Peak OFF-state (reverse) voltage : 100 to 600V.
- · Average ON-state current : 2A

## Package Dimensions



# **Specifications**

#### Absolute Maximum Ratings at Ta = 25°C

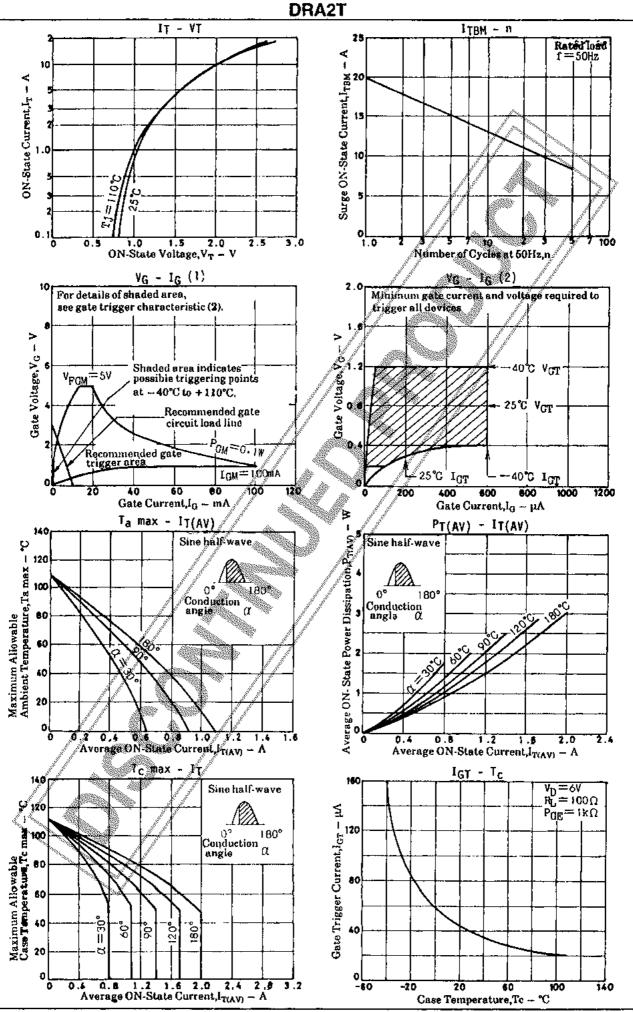
		A A AN IN THE	S / /				
Parameter	Symbol	Conditions	DRA2TE	DRA2TC	DRA2TE	DRA2TG	Unit
Repetitive Peak OFF-State Voltage	VDRM	R <sub>GK</sub> =10	100 acres 100	200	400	600	V
Non-Repetitive Peak Reverse Voltage	VRSM	R <sub>GK</sub> =1Ω	JA 150	300	500	720	V
Repetitive Peak Reverse Voltage	BRM	R <sub>GK</sub> =192	<sup>17</sup> a <sup>nt</sup> 100	200	400	600	٧
Average ON-State Current	IT(AV)	Tc=45 C. single phase half -wave	<i>→</i>	→ · · · · · · · · · · · · · · · · · · ·	→	2	A
Surge ON-State Current	ITSM	Sine half-wave 1 cycle, 50Hz	÷	<b>→</b>	<b>→</b>	20	A
Amperes Squared-Seconds	BUL OI	1ms≤t≤10ms	_→	<b>→</b>	Ļ	1.6	A²S
Peak Gale Power Dissipation	PGM	l≥50Hz, duty≤10%	<b>→</b>	$\rightarrow$		0.1	W
Average Gate Power Dissipation	RG(AV)	*** _/_/	. →	→		0.01	W
Peak Gate Forward Current	FON	l≥ 50Hž, duty≤10%	·	→	-)	0.1	A
Peak Gate Reverse Volage	VRGM	and a second second	→	->	-1	5	۷
Junction Temperature	Tj	N. N.		<b>→</b>	(	110	.c
Storage Temperature	Tsig				>	-40 to +110	Ċ
Weight				~*	→	1.5	g

### Electrical Characteristics at Ta = 25°C

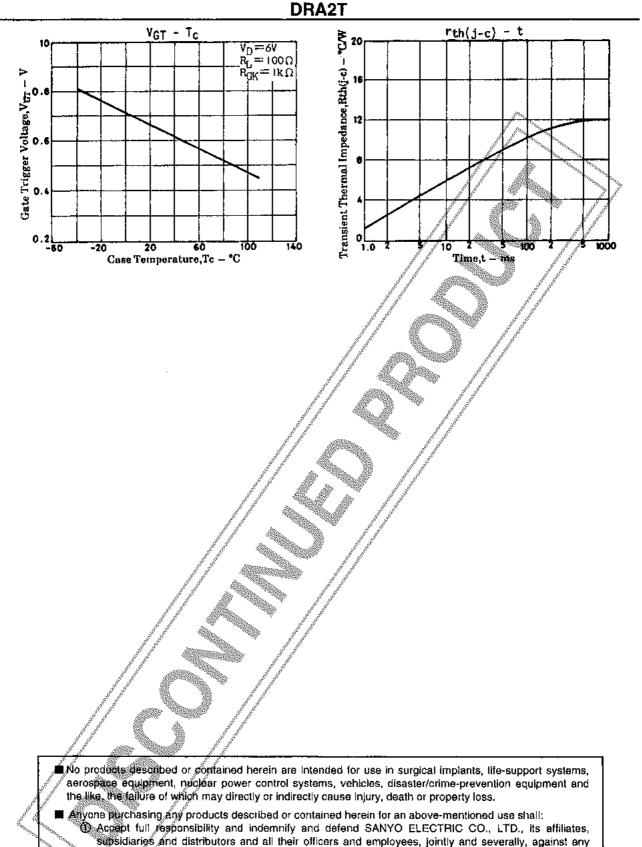
Perameter	Symbol	Conditions		Ratings		
		Conditions	min	typ	max	Unit
Repetitive Peak OFF-State Current	IDRM	Tj=110'C, VD=VDRM, RGK=1kΩ			0.2	mА
Repetitive Peak Reverse Current	<sup>1</sup> RRM	Tj=110°C, V <sub>B</sub> =V <sub>BBM</sub> , B <sub>GK</sub> =1kΩ			0.2	mA
Peak ON-Stoto Voltage	۷тм	ITM=10A			2.0	V
Cirtical Flate of Rise of OFF. State Voltage	dv/dt	Tj=110°C, V <sub>D</sub> =V <sub>DRM</sub> , R <sub>GK</sub> ≠1kΩ		15		V/µs
				10(G)	_	
Holding Current	Чн	VD=24V, RGK=180		3.0		mĄ
Gate Trigger Current	'GT	V <sub>D</sub> =6V, R <sub>L</sub> =100Ω, R <sub>GK</sub> =1kΩ			0.2	mA
Gate Trigger Voltage	VGT	VD=6V, RL=10012, RGK=1412			0.8	V
Gate Nontrigger Voltage	VGD	Tc=110°C, V <sub>D</sub> =Rated voltage, RGK=1kΩ	0.2			v
Thermal Resistance	Rih(j-c)				12	'C/W

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#### No.1872-2/3



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