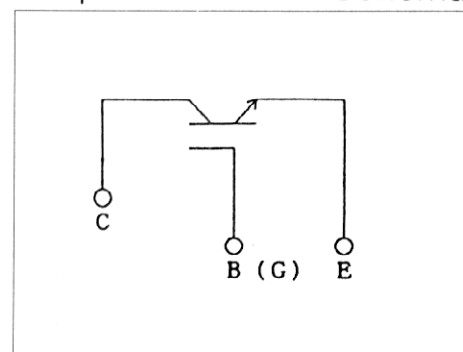


■ Outline Drawings

- Ideal for Chopper Application
- AC and DC Servo Drive Supply
- Uninterruptible Power Supply
- Industrial Machines, such as Welding Machines

- Absolute Maximum Ratings

■ Equivalent Circuit Schematic



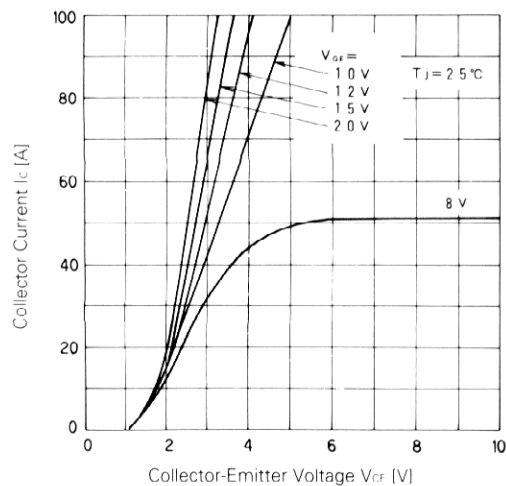
*1 Recommendable Value 1.3 ~ 1.7 N•m (M4)

● Electrical Characteristics (Tj=25°C unless otherwise specified)

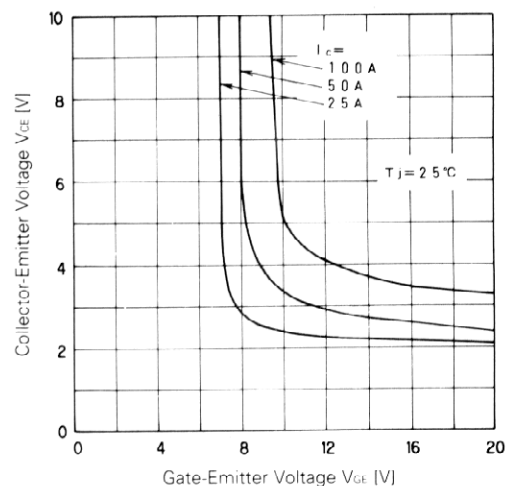
t_{on}, t_f : Resistive Load	t_{off}, t_f : Inductive Load
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Items	Symbols	Test Conditions	Min.	Typ.	Max.	Units
Thermal Resistance	$R_{th(j-c)}$	IGBT			0.625	°C/W
	$R_{th(c-f)}$	With Thermal compound		0.06		

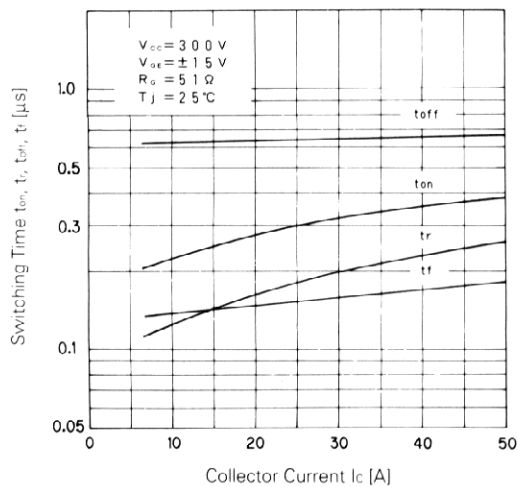
■ Characteristics



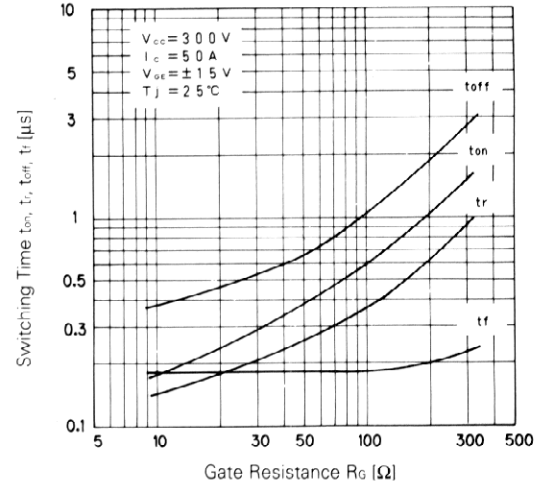
Collector Current vs. Collector-Emitter Voltage



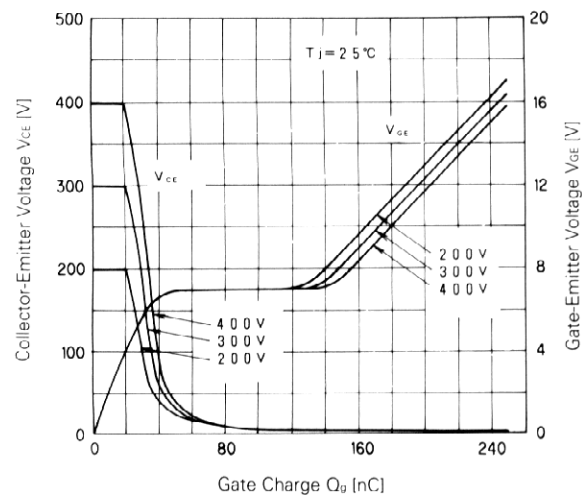
Collector-Emitter Voltage vs. Gate-Emitter Voltage



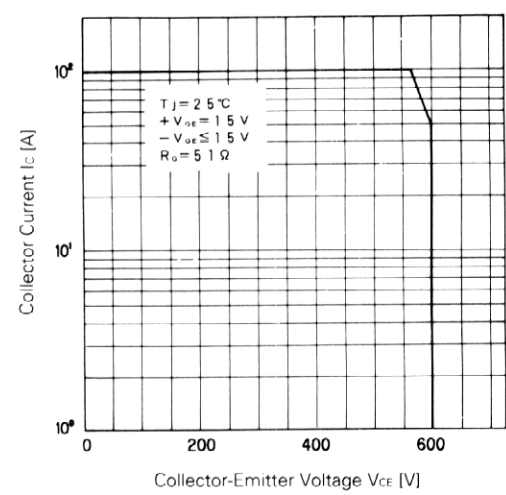
Switching Time



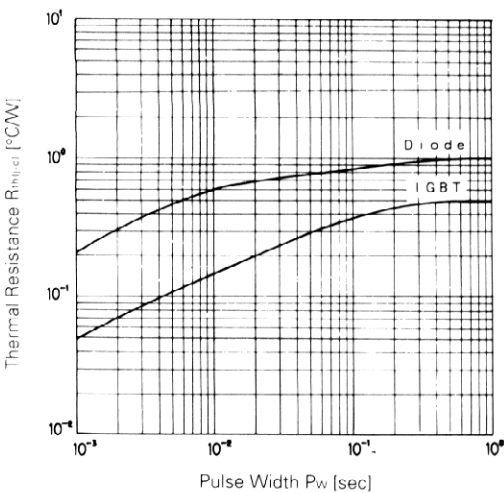
Switching Time-Gate Resistance



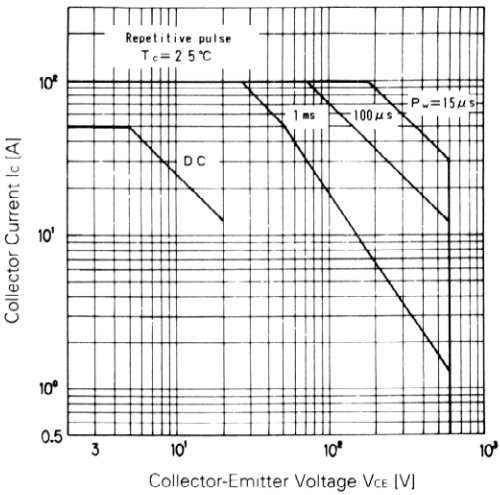
Dynamic Input Characteristic



Reverse Biased Safe Operating Area



Transient Thermal Resistance



Safe Operating Area