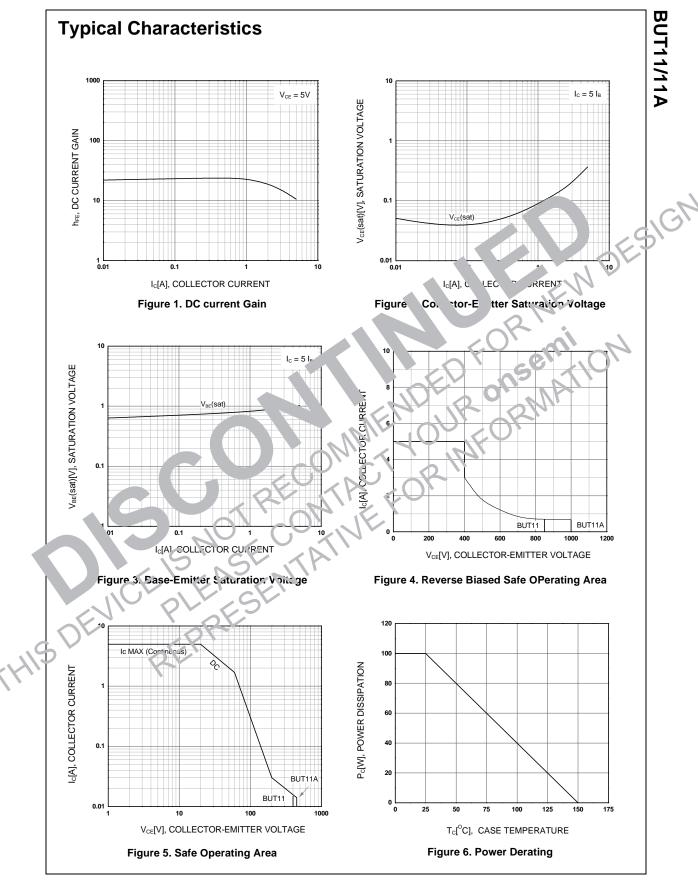
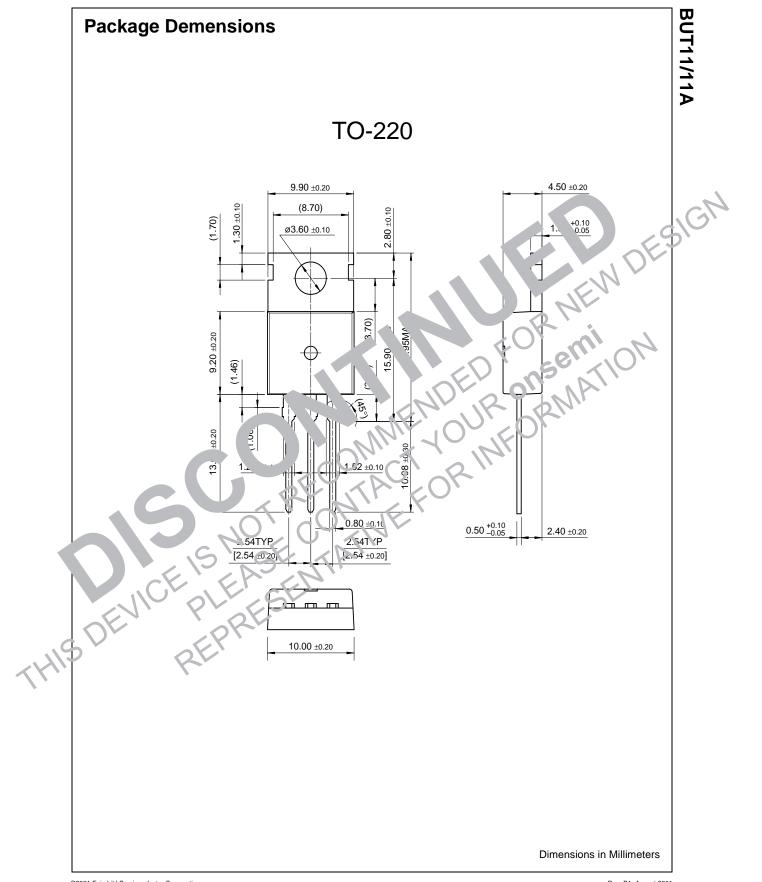
SEIVICON		11/11 <i>A</i>	A						
High Volt	age Power Switching Appli	cations			221		T.		
NPN Sili	con Transistor			1 1.Base	TO Coli	or 3.1	itter		
Absolute	Maximum Ratings T <sub>C</sub> =25°C unle	ess otherwise	noted				OF		
Symbol	Parameter				'alır		Units		
V <sub>CBO</sub>	Collector-Base Voltage								
	: BUT11				850				
	: BUT11A				1000				
V <sub>CEO</sub>	Collector-Emitter Voltage : BUT11 : BUT11A V 400 450					~			
V <sub>EBO</sub>	Emitter-Base Voltage			<u>,                                     </u>	- <u>-</u>		V		
IC	Collector Current (DC)		NV I	0	5		А		
I <sub>CP</sub>	*Collector Current (Pulse)		20-1	2	10		А		
I <sub>B</sub>	Base Current (D				2		А		
I <sub>BP</sub>	*Base Current ulse)		10-	1	4		А		
P <sub>C</sub>	Collect sip on (T <sub>C</sub> 5°C)	<u>(4) X</u>		4	100		W		
TJ	Jun on Tempera.			150 °C					
T <sub>STG</sub>	Stor > Temp ature			- 6	5 ~ 150		°C		
Elec ric	acteristics T <sub>C</sub> =25° ) ur less of	otherwise not	ed						
rvn. I	Parameter	Test C	ondition	Min.	Тур.	Max.	Units		
V <sub>CL</sub> 'su.	* Collector-Emitter Sustaining Voltage : BUT11 BUT11A	I <sub>C</sub> = 100mA	λ, I <sub>B</sub> = 0	400 450			V V		
CES	Collecto: Cuv off Current : BUT11 : BUT11A	V <sub>CE</sub> = 850V, V <sub>BE</sub> = 0				1 1	mA mA		
I <sub>⊆вО</sub>	Emitter Cut-off Current	$V_{BE} = 9V, I_{e}$	<sub>C</sub> = 0			10	mA		
V <sub>CE</sub> (sat)	Colle clor Emitter Saturation Voltage								
	: BUT11 : BUT11A	I <sub>C</sub> = 3A, I <sub>B</sub> : I <sub>C</sub> = 2.5A, I				1.5 1.5	V V		
V <sub>BE</sub> (sat)	Base-Emitter Saturation Voltage	IC – 2.5A, I	B – 0.04			1.5	v		
BE(act)	: BUT11	I <sub>C</sub> = 3A, I <sub>B</sub> :	= 0.6A			1.3	V		
	: BUT11A	I <sub>C</sub> = 2.5A, I				1.3	V		
t <sub>ON</sub>	Turn On Time	V <sub>CC</sub> = 250V, I <sub>C</sub> = 2.5A				1	μs		
t <sub>STG</sub>	Storage Time	I <sub>B1</sub> = -I <sub>B2</sub> = 0.5A				4	μs		
t <sub>F</sub>	Fall Time	$R_L = 100\Omega$				0.8	μs		
	ation = 300µs, duty cycle = 1.5%					-	·		
Thermal (	Characteristics T <sub>C</sub> =25°C unless oth	herwise noted				1			
						Units °C/W			
Symbol R <sub>θjC</sub>	Parameter Thermal Resistance, Junction to Case		Тур		Max 1.25				

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