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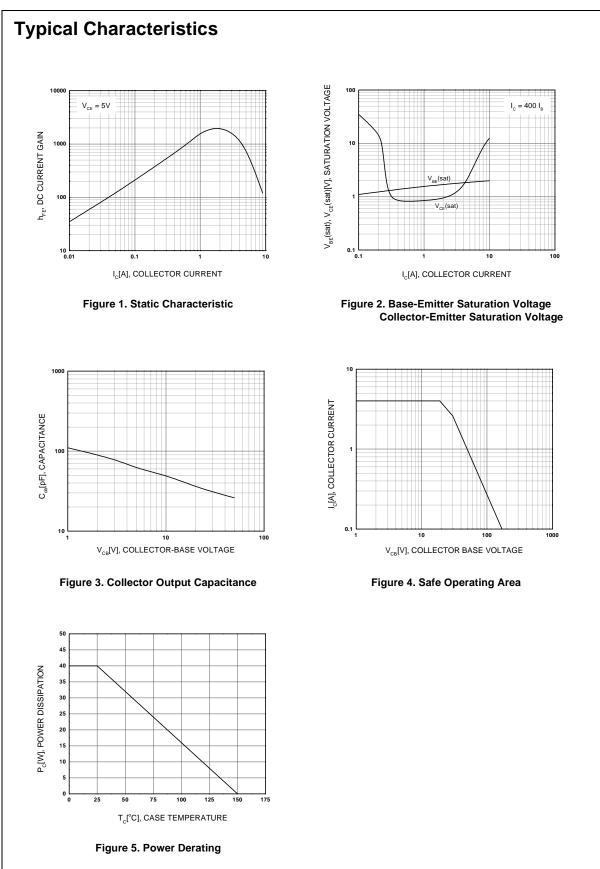


bol	Parameter	Value	Units
V <sub>CBO</sub>	Collector- Base Voltage	600	V
V <sub>CEO</sub>	Collector- Emitter Voltage 275		V
V <sub>EBO</sub>	Emitter Base Voltage 10		
IC	Collector Current (DC) 4		А
I <sub>CP</sub>	*Collector Current (Pulse)	6	А
I <sub>B</sub>	Base Current	0.5	А
P <sub>C</sub>	Collector Dissipation (T <sub>C</sub> =25°C)	40	W
TJ	Junction Temperature	150	°C
T <sub>STG</sub>	Storage Temperature	- 55 <mark>~ 15</mark> 0	°C

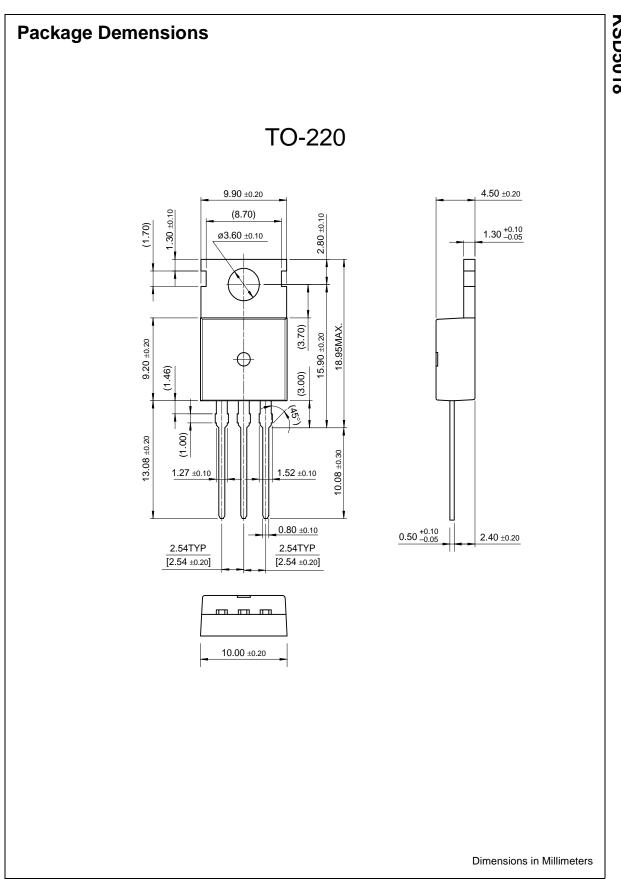
Electrical Characteristics T<sub>C</sub>=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Max.	Units
V <sub>CEO</sub> (sus)	Collector-Emitter Sustaining Voltage	I <sub>C</sub> = 1.5A, I <sub>B</sub> = 0.05A, L = 25mH	275		V
BV <sub>CER</sub>	Collector-Emitter Breakdown Voltage	$I_{C} = 1$ mA, $R_{BE} = 330\Omega$	600		V
ICES	Collector Cut-off Current	V <sub>CE</sub> = 500V		1	mA
I <sub>EBO</sub>	Emitter Cut-off Current	V <sub>EB</sub> = 10V, I <sub>C</sub> = 0		1	mA
V <sub>CE</sub> (sat)	Collector-Emitter Saturation Voltage	I <sub>C</sub> = 2A, I <sub>B</sub> = 5mA	a-1	1.5	V
		$I_{\rm C} = 3A, I_{\rm B} = 20mA$	2.4	1.5	V
V <sub>BE</sub> (sat)	Base-Emitter Saturation Voltage	I <sub>C</sub> = 2A, I <sub>B</sub> = 5mA	1.41 4	2	V





# KSD5018



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