

High Speed Switching

 Suitable for Electronic Ballast and Switching Regulator WWW.DZSG.CO



FJP3305

1.Base 2.Collector 3.Emitter

NPN Silicon Transistor

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	700	V
V _{CEO}	Collector-Emitter Voltage	400	V
V _{EBO} Emitter-Base Voltage		9	V
I _C	Collector Current (DC)	4	A
I _{CP}	Collector Current (Pulse)	8	A
IB Base Current PC Collector Dissipation (T _C =25°C) T _J Junction Temperature		2	Α
		75	W
		150	°C
T _{STG}	Storage Temperature	- 65 ~ 150	°C

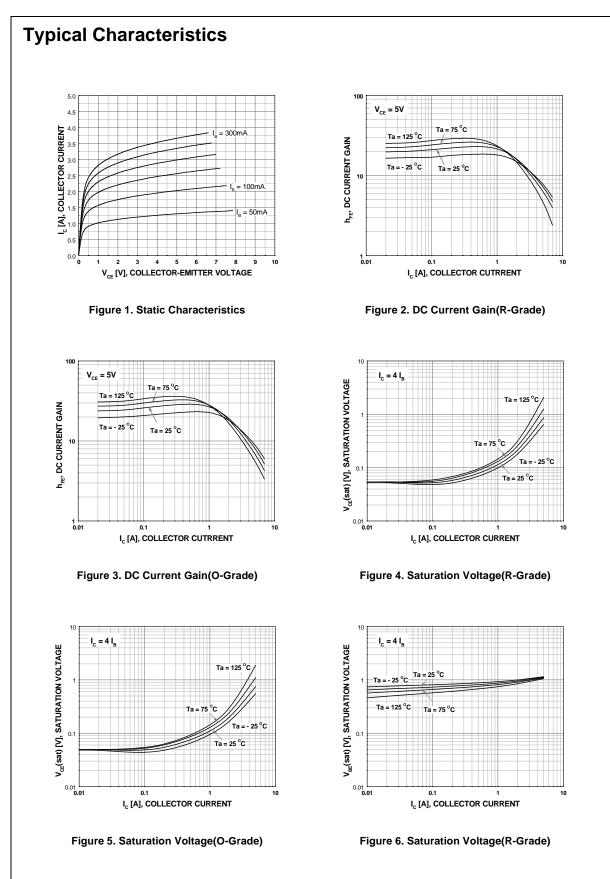
Electrical Characteristics T_C=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C =500μA, I _E =0	700			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C =5mA, I _B =0	400			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E =500μA, I _C =0	9			V
I _{CBO}	Collector Cut-off Current	V _{CB} =700V, I _E =0			1	μΑ
IEBO Emitter Cut-off Current		V _{EB} =9V, I _C =0			1	μΑ
h _{FE1}	* DC Current Gain	V _{CE} =5V, I _C =1A	19		35	-15
h _{FE2}		V _{CE} =5V, I _C =2A	8		40	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C =1A, I _B =0.2A		2-1	0.5	V
		I _C =2A, I _B =0.5A		5.00	0.6	V
		I _C =4A, I _B =1A	12.5	N de .	1	V
V _{BE} (sat)	Base-Emitter On Voltage	I _C =1A, I _B =0.2A			1.2	V
	17.100	I _C =2A, I _B =0.5A			1.6	V
f _T	Current Gain Bandwidth Product	V _{CE} =5V, I _C =1A	4			MHz
C _{ob}	Output Capacitance	V _{CB} =10V, f=1MHz		65		pF
t _{ON}	Turn On Time	V _{CC} =125V,			0.8	μs
t _{STG}	Storage Time	I _C =2A=5I _{B1} =-5I _{B2}			4	μs
t _F	Fall Time	R _L =62.5Ω			0.9	μs

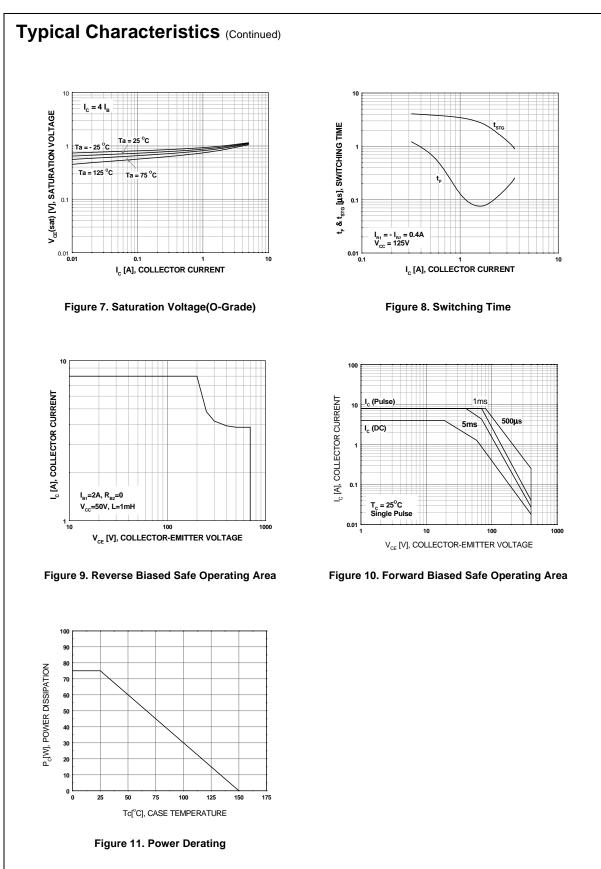
h_{FE} Classification

Classification	R	0			
h _{FE2}	19 ~ 28	26 ~ 35			

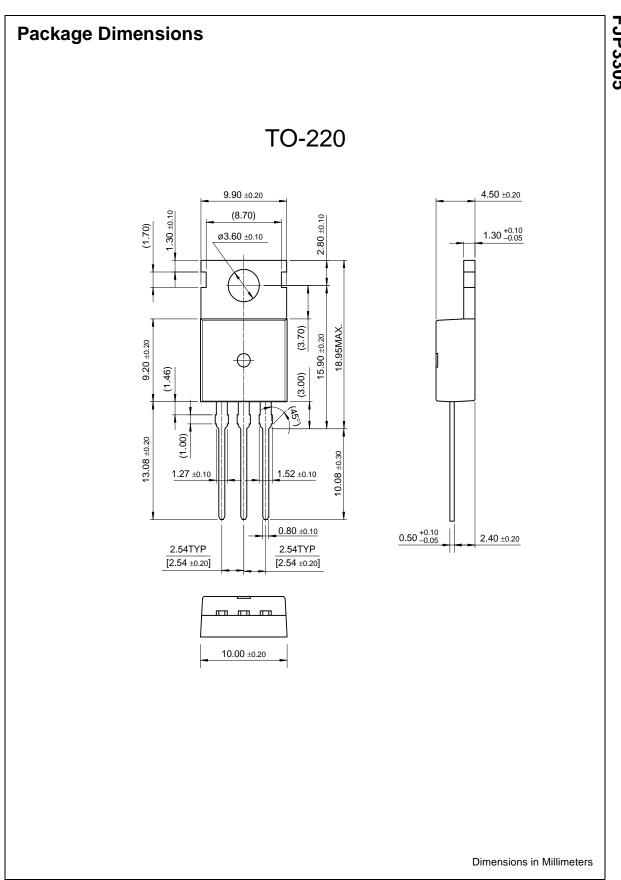
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