Absolute maximum ratings

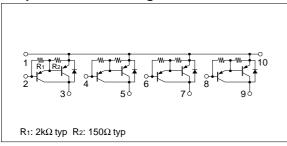
(12-23-5)					
Symbol	Ratings	Unit			
Vсво	-50	V			
VCEO	-50	V			
Vево	-6	V			
Ic	-4	А			
ICP	–8 (PW≤10ms, Du≤50%)	Α			
Рт	4 (Ta=25°C)	14/			
	20 (Tc=25°C)	W			
Tj	150	°C			
Tstg	-40 to +150	°C			
	·				

Electrical characteristics

(Ta=25°C)

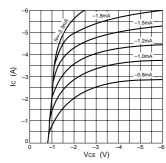
Symbol	Specification			I Imit	Conditions
	min	typ	max	Unit	Conditions
Ісво			-100	μΑ	Vcb=-50V
Іево			-10	mA	Veb=-6V
VCEO	-50			V	Ic=-10mA
hfe	1000				Vce=-4V, Ic=-3A
Vce(sat)			-2.0	V	Ic=-3A, Iв=-10mA
ton		0.4		μs	Vcc≒–30V,
tstg		0.8		μs	Ic=-3A,
tf		0.6		μs	Iв1=-Iв2=-10mA

■Equivalent circuit diagram

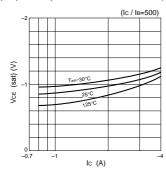


Characteristic curves

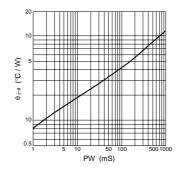
Ic-Vce Characteristics (Typical)



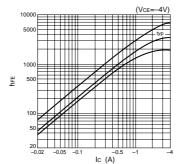
VcE(sat)-Ic Temperature Characteristics (Typical)



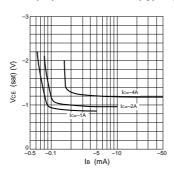
 θ j-a-PW Characteristics



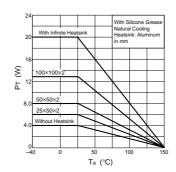
hfe-Ic Characteristics (Typical)



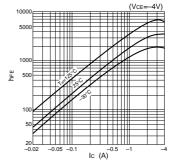
Vce(sat)-IB Characteristics (Typical)



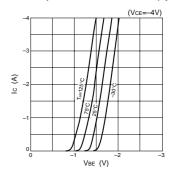
P_T-T_a Characteristics



hfe-lc Temperature Characteristics (Typical)



Ic-VBE Temperature Characteristics (Typical)



Safe Operating Area (SOA)

