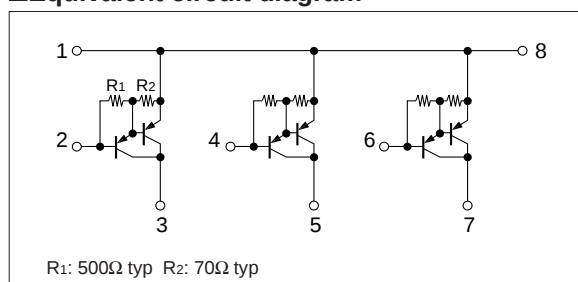


Absolute maximum ratings

($T_a=25^{\circ}\text{C}$)

Symbol	Ratings	Unit
V _{CBO}	−550	V
V _{CEO}	−550	V
V _{EBO}	−6	V
I _C	−1	A
I _{CP}	−2 (P _W ≤1ms, D _u ≤25%)	A
I _B	−0.5	A
P _T	3 (T _a =25°C)	W
	15 (T _c =25°C)	
T _j	150	°C
T _{stg}	−40 to +150	°C

■Equivalent circuit diagram



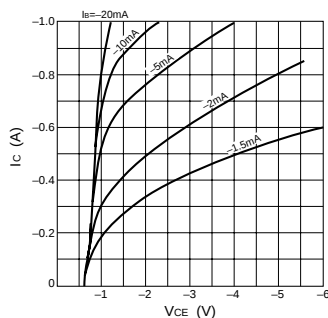
Electrical characteristics

($T_a=25^{\circ}\text{C}$)

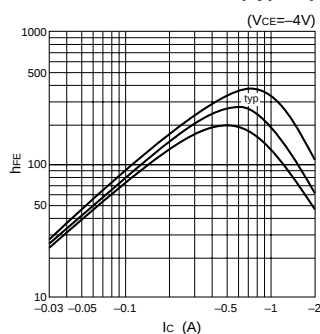
Symbol	Specification			Unit	Conditions
	min	typ	max		
ICBO			-100	μA	$V_{CB} = -550\text{V}$
IEBO		-10	-20	mA	$V_{EB} = -6\text{V}$
V _{CEO}	-550			V	$I_C = -100\mu\text{A}$
h _{FE}	200	400	1000		$V_{CE} = -4\text{V}$, $I_C = -500\text{mA}$
V _{CE(sat)}		-1.0	-1.5	V	$I_C = -500\text{mA}$, $I_B = -10\text{mA}$
V _{BE(sat)}		-1.6	-2.2	V	
t _{on}		0.7		μs	$V_{CC} \div -200\text{V}$, $I_C = -500\text{mA}$, $I_{B1} = -I_{B2} = -10\text{mA}$
t _{stg}		13.0		μs	
t _f		2.5		μs	
f _r		15		MHz	$V_{CE} = -12\text{V}$, $I_E = 0.2\text{A}$
C _{ob}		48		pF	$V_{CB} = -10\text{V}$, $f = 1\text{MHz}$

Characteristic curves

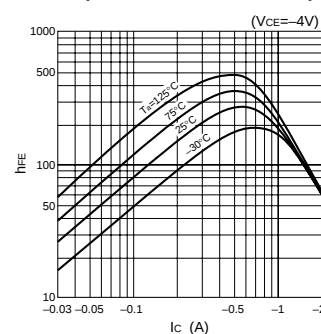
IC-V_{CE} Characteristics (Typical)



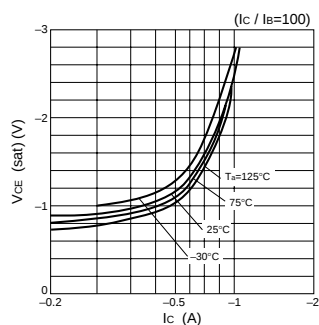
hFE-Ic Characteristics (Typical)



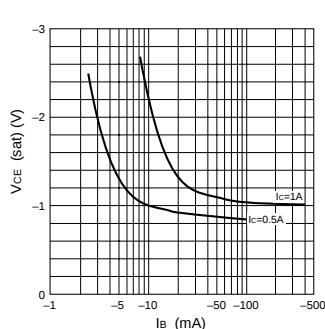
h_{FE}-I_C Temperature Characteristics (Typical)



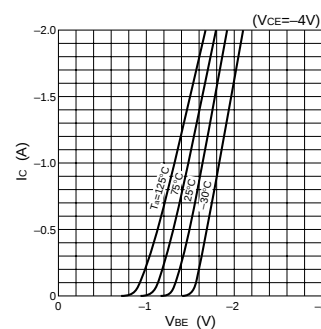
V_{CE(sat)}-I_C Temperature Characteristics (Typical)



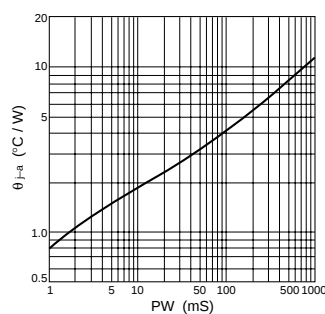
V_{CE(sat)}-I_B Characteristics (Typical)



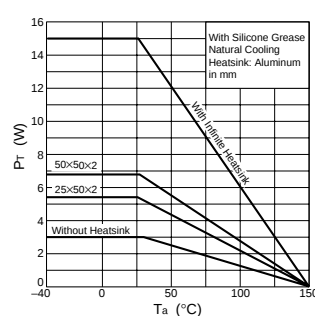
IC-V_{BE} Temperature Characteristics (Typical)



θ_{j-a} -PW Characteristics



P_T-T_a Characteristics



Safe Operating Area (SOA)

