Darlington

2SB1257



Silicon PNP Epitaxial Planar Transistor (Complement to type 2SD2014)

Application: Driver for Solenoid, Relay and Motor and General Purpose

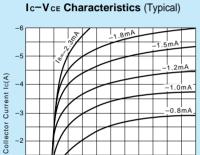
Absolute maximum ratings (Ta=25°C					
Symbol	2SB1257	Unit			
Vсво	-60	V			
VCEO	-60	V			
VEBO	-6	V			
Ic	-4(Pulse-6)	А			
Ів	-1	А			
Pc	25(Tc=25°C)	W			
Tj	150	°C			
Tstg	-55 to +150	°C			

Electrical C	haracteristics	(Ta=25°C)		
Symbol	Conditions	2SB1257	Unit	
Ісво	Vcb=-60V	-10max	μΑ	
І ЕВО	VEB=-6V	-10max	μΑ	
V(BR)CEO	Ic=-10mA	-60min	V	
hfe	Vce=-4V, Ic=-3A	2000min		
Vce(sat)	Ic=-3A, IB=-6mA	-1.5max	V	
VBE(sat)	Ic=-3A, IB=-6mA	-2max	V	
fr	Vce=-12V, Ie=0.2A	150typ	MHz	
Сов	VcB=-10V, f=1MHz	75typ	pF	

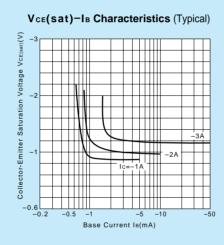
b. Lot No.

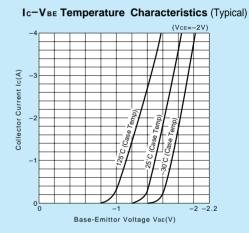
■Typical Switching Characteristics (Common Emitter)

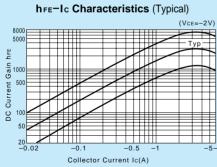
Vcc	R _L	Ic	V _{BB1} (V)	VBB2	I _{B1}	I _{B2}	ton	tstg	tf
(V)	(Ω)	(A)		(V)	(mA)	(mA)	(µs)	(µs)	(µs)
-30	10	-3	-10	5	-10	10	0.4typ	0.8typ	0.6typ

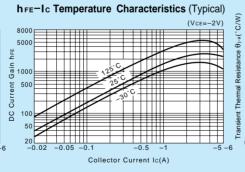


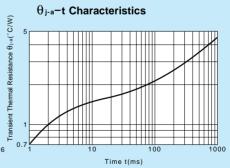
Collector-Emitter Voltage VcE(V)

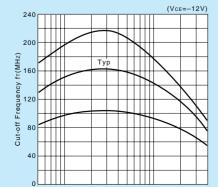












Emitter Current IE(A)

fT-IE Characteristics (Typical)

