Darlington

2SB1559

(us)

0.9typ

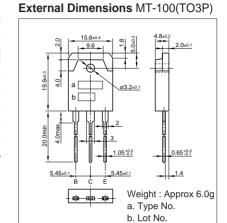


Silicon PNP Epitaxial Planar Transistor (Complement to type 2SD2389)

Application: Audio, Series Regulator and General Purpose

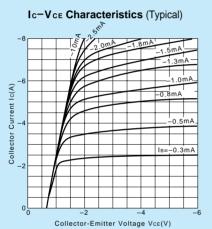
Absolute	Absolute maximum ratings (
Symbol	2SB1559	Unit		
Vсво	-160	V		
VCEO	-150	V		
VEBO	-5	V		
Ic	-8	А		
Ів	-1	А		
Pc	80(Tc=25°C)	W		
Tj	150	°C		
Tstg	-55 to +150	°C		

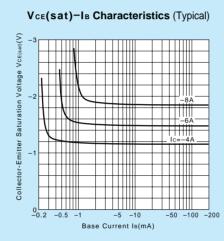
Electrical Cl	haracteristics	(Ta=25°C)					
Symbol	Conditions	2SB1559	Unit				
Ісво	VcB=-160V	-100max	μΑ				
І ЕВО	V _{EB} =-5V	-100max	μΑ				
V(BR)CEO	Ic=-30mA	-150min	V				
hfe	Vce=-4V, Ic=-6A	5000min*					
Vce(sat)	Ic=-6A, IB=-6mA	-2.5max	V V MHz				
VBE(sat)	Ic=-6A, IB=-6mA	-3.0max					
fr	Vce=-12V, Ie=1A	65typ					
Сов	VcB=-10V, f=1MHz	160typ	рF				
*hfe Rank \(\overline{O}(5000 \text{to 12000}), P(6500 \text{to 20000}), Y(15000 \text{to 30000})							

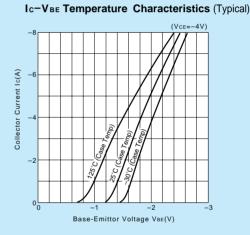


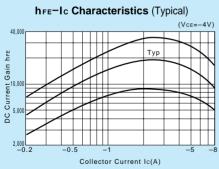
Typical Switching Characteristics (Common Emitter)

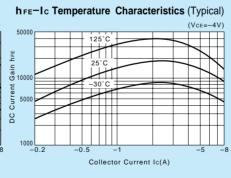
	Vcc (V)	Rι (Ω)	Ic (A)	V _{BB1} (V)	V _{BB2} (V)	I _{B1} (mA)	I _{B2} (mA)	ton (µs)	tstg (µs)
	-60	10	-6	-10	5	-6	6	0.7typ	3.6ty











Safe Operating Area (Single Pulse)

