Darlington

2SB1352



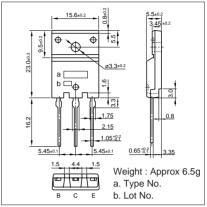
Silicon PNP Epitaxial Planar Transistor

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

Absolute maximum ratings (Ta=25°C						
Symbol	2SB1352	Unit				
Vсво	-60	V				
VCEO	-60	V				
VEBO	-6	V				
Ic	-12(Pulse-20)	А				
Ів	-1	А				
Pc	60(Tc=25°C)	W				
Tj	150	°C				
Tstg	-55 to +150	°C				

Electrical	Characteristics	(Ta	(Ta=25°C)		
Symbol	Conditions	2SB1352	Unit		
Ісво	Vcb=-60V	-10max	μΑ		
І ЕВО	VEB=-6V	-10max	mA		
V(BR)CEO	Ic=-10mA	-60min	V		
hfe	Vce=-4V, Ic=-10A	2000min			
Vce(sat)	Ic=-10A, IB=-20mA	-1.5max	V		
VBE(sat)	Ic=-10A, IB=-20mA	-2.0max	V		
fr	Vce=-12V, Ie=1A	130typ	MHz		
Сов	VcB=-10V, f=1MHz	170typ	pF		

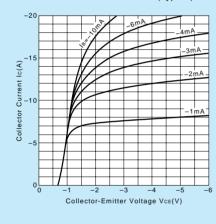
External Dimensions FM100(TO3PF)



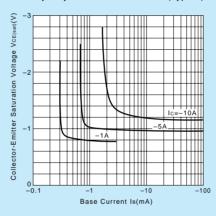
■Typical Switching Characteristics (Common Emitter)

cc /)	RL (Ω)	Ic (A)	V _{BB1} (V)	V _{BB2} (V)	I _{B1} (mA)	I _{B2} (mA)	ton (µs)	tstg (µs)	tf (µs)
 10	4	-10	-10	5	-20	20	0.7typ	1.5typ	0.6typ

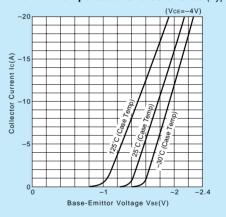
Ic-VcE Characteristics (Typical)



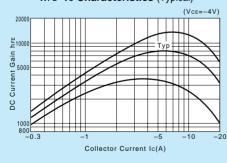
VcE(sat)-IB Characteristics (Typical)



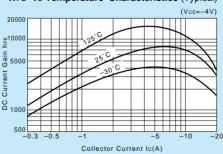
Ic-VBE Temperature Characteristics (Typical)



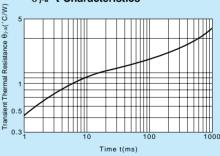
hfe-Ic Characteristics (Typical)



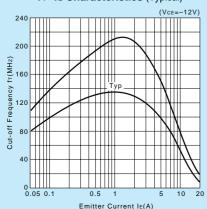
hfe-Ic Temperature Characteristics (Typical)



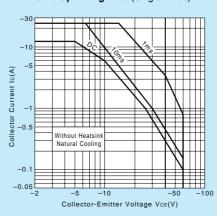
 θ_{j-a} -t Characteristics



fT-IE Characteristics (Typical)



Safe Operating Area (Single Pulse)



Pc-Ta Derating

