## 2SC4517/4517A

## Silicon NPN Triple Diffused Planar Transistor (High Voltage Switchihg Transistor)

**Application:** Switching Regulator and General Purpose

Absolute maximum ratings (Ta=25°C)						
Symbol	2SC4517 2SC4517A		Unit			
Vсво	900	1000	V			
VCEO	5	V				
VEBO		V				
Ic	3(P	А				
Ів	1	Α				
Pc	30(Tc	W				
Tj	1	°C				
Tstg	–55 t	°C				

Electrica	al Characteristics	(Ia	1=25°C)		
Symbol	Conditions	2SC4517	2SC4517A	Unit	
Ісво	Vcb=800V	100	μΑ		
<b>I</b> EBO	VEB=7V	100max		μΑ	
V(BR)CEO	Ic=10mA	550min		V	
hfe	Vce=4V, Ic=1A	10 to 30			
Vce(sat)	Ic=1A, IB=0.2A	Ic=1A, IB=0.2A 0.5max		V	
VBE(sat)	Ic=1A, IB=0.2A	1.2max		V	
fr	Vce=12V, Ie=-0.25A	6typ		MHz	
Сов	VcB=10V, f=1MHz	35	typ	pF	

## 

a. Type No.b. Lot No.

External Dimensions FM20(TO220F)

Typical	Switching	Characteristics	(Common	Emitter)	1

71					, ,				
Vcc (V)	RL (Ω)	Ic (A)	VBB1 (V)	V <sub>BB2</sub> (V)	IB1 (A)	IB2 (A)	ton (µs)	tstg (µs)	tf (µs)
250	250	1	10	-5	0.15	-0.45	0.7max	4max	0.5max

















