

Features

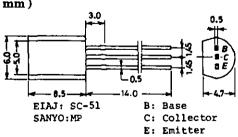
- . High f_T.
- . Small reverse transfer capacitance.

Absolute Maximum Ratings at Ta=25 ⁰ C unit										
Collector to Base Voltage	V _{CBO}			7	0	V				
Collector to Emitter Voltage	VCEO			6	0	V				
Emitter to Base Voltage	VEBO				4	V				
Collector Current	IC			5	0 m	A				
Collector Current(Pulse)	ICP			10	0 m	A				
Collector Dissipation	P _C Tj		90							
Junction Temperature				15	-	-				
Storage Temperature	Tstg		-55 t	> +15	0 °	С				
Electrical Characteristics at	Ta=25 ⁰ C		min	+	mov	unit				
Collector Cutoff Current		V _{CB} =40V,I _E =0	10111	typ	max 0.1	μA				
Emitter Cutoff Current	I _{CBO}	V _{EB} =3V,I _C =0			1.0	μA				
DC Current Gain	I _{EBO}	V _{CE} =10V,I _C =10mA	60 #		320*					
Gain-Bandwidth Product	h _{FE} fm	V _{CE} =10V, I _C =10mA	300	500	520~	MHz				
Base to Collector Time	f _T r _{bb} 'C _c	$V_{CE}=10V, I_{C}=10mA$	500	8	20	ps				
Constant	• DD • C	*CE-101,*C-10mi		v	20	po				
Reverse Transfer Capacitance	C	V _{CB} =10V,f=1MHz		1.0	1.6	pF				
Collector to Emitter	Vor(ach)	I _C =20mA, I _B =2mA			0.5	Î V				
Saturation Voltage	CE(Sat)	-C,-B				-				
Base to Emitter	V _{BF(sat)}	I _C =20mA,I _B =2mA			1.0	v				
Saturation Voltage	DB(Sac)	0 1								
Collector to Base	V(BR)CBO	I _C =10uA,I _E =0	70			V				
Breakdown Voltage										
Collector to Emitter	V(BR)CEO	I_{C} =1mA, R_{BE} = ∞	60			V				
Breakdown Voltage										
Emitter to Base	V(BR)EBO	I _E =10uA,I _C =0	4			V				
Breakdown Voltage	,									

* The 2SC3504 is classified by 10mA ${\rm h}_{FE}$ as follows:

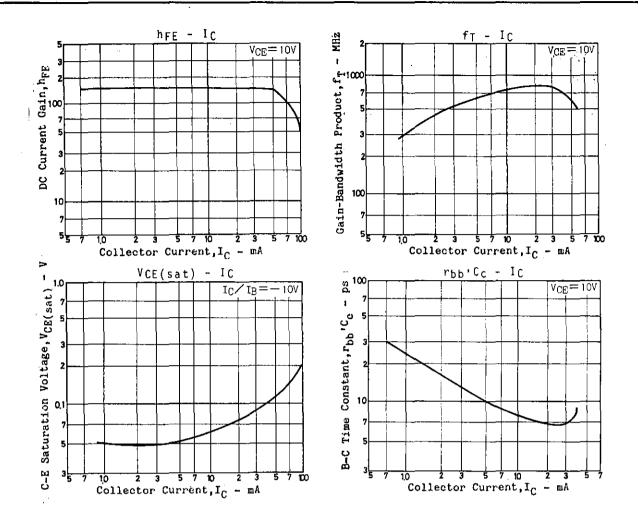
	60	-	400	4 4 4	-		4/ 0	*	000
1	60	D	120	100	E	200	160	F.	320
									-

Package Dimensions 2006A (unit: mm)



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4237AT/3205KI,TS No.1438-1/2



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