

RGB



SANYO SEMICONDUCTOR

2SD386, 386A
2SD387, 387A

(2SD386, 386A) — NPN Triple Diffused Planar Type Silicon Transistor
(2SD387, 387A) — For Vertical Deflection Output of Television

Absolute Maximum Ratings at Ta=25°C		2SD386	2SD386A	2SD387	2SD387A	
Collector to Base Voltage, V _{CB0}		200	200	200	200	V
Collector to Emitter Voltage, V _{CE0}		120	150	120	150	V
Emitter to Base Voltage, V _{EB0}		6	6	6	6	V
Collector Current, I _C		3	2	3	2	A
Peak Collector Current, i _{CP}		10	10	10	10	A
Collector Dissipation, P _C	Tc=25°C	25	25	25	25	W
	Ta=25°C	1.75	1.75	1.75	1.75	W
Junction Temperature, T _j		150	150	150	150	°C
Storage Temperature, T _{stg}		→	→	→	-40→+150	°C

Electrical Characteristics at Ta=25°C			min	typ	max	unit
Collector Cutoff Current, I _{CB0}	V _{CB} =180V, I _E =0				1.0	mA
Emitter Cutoff Current, I _{EB0}	V _{EB} =5V, I _C =0				5	mA
DC Current Gain, h _{FE} *	V _{CE} =2V, I _C =0.5A		40*		320*	
Gain Bandwidth Product, f _T	V _{CE} =5V, I _C =0.5A			8		MHz
C-E Saturation Voltage, V _{CE(sat)}	I _C =1A, I _B =0.1A	2SD386, 387			1.0	V
		2SD386A, 387A			1.5	V
B-E Saturation Voltage, V _{BE(sat)}	I _C =1A, I _B =0.1A				1.8	V

*2SD386, 386A, 387, 387A are classified as follows:

C:	40	80
D:	60	120
E:	100	200
F:	160	320

Case Outline (unit:mm)



