Transistor Panasonic

2SC1360, 2SC1360A

Silicon NPN epitaxial planer type

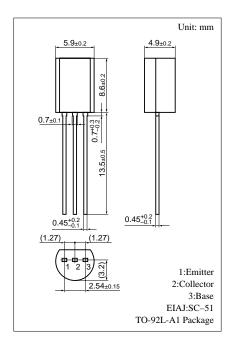
For intermadiate frequency amplification of TV image

Features

- High transition frequency f_T.
- Large collector power dissipation P_C.

Absolute Maximum Ratings (Ta=25°C)

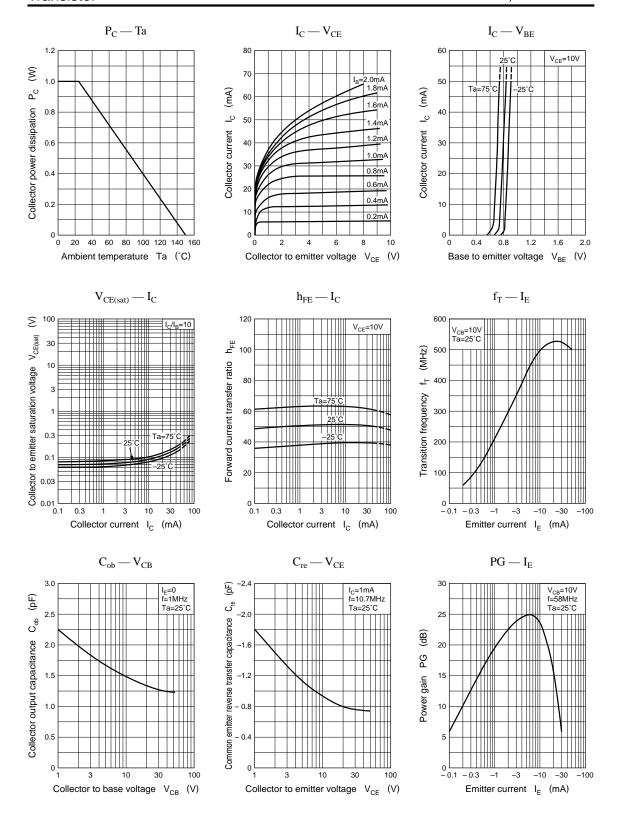
Parameter		Symbol	Ratings	Unit	
Collector to	2SC1360	V	50	v	
base voltage	2SC1360A	V_{CBO}	60		
Collector to	2SC1360	V	45	V	
emitter voltage	2SC1360A	V_{CEO}	60		
Emitter to base voltage		V_{EBO}	4	V	
Collector current		I_{C}	50	mA	
Collector power dissipation		P_{C}	1	W	
Junction temperature		T_{j}	150	°C	
Storage temperature		T_{stg}	−55 ~ +150	°C	



Electrical Characteristics (Ta=25°C)

Parameter		Symbol	Conditions	min	typ	max	Unit
Collector cutoff current		I_{CBO}	$V_{CB} = 20V, I_{E} = 0$			100	nA
Collector to base	2SC1360		$I_{\rm C} = 100 \mu {\rm A}, I_{\rm E} = 0$	50			V
voltage	2SC1360A	V _{CBO}		60			
Collector to emitter	2SC1360	V _{CEO}	$I_C = 1 \text{mA}, I_B = 0$	45			V
voltage	2SC1360A			60			
Emitter to base voltage		V _{EBO}	$I_E = 100 \mu A, I_C = 0$	4			V
Forward current transfer ratio		h _{FE}	$V_{CB} = 10V, I_{E} = -10mA$	20		100	
Collector to emitter saturation voltage $V_{CE(sat)}$		V _{CE(sat)}	$I_C = 20\text{mA}, I_B = 2\text{mA}$			0.4	V
Transition frequency f _T		$V_{CB} = 10V, I_E = -10mA, f = 100MHz$	300			MHz	
Common emitter reverse transfer capacitance C_{re}		$V_{CE} = 10V, I_{C} = 1mA, f = 10.7MHz$			1.5	pF	
Power gain		PG	$V_{CB} = 10V, I_E = -10mA, f = 58MHz$	22		30	dB

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