2SC1473, 2SC1473A

Silicon NPN triple diffusion planer type

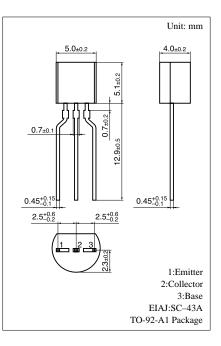
For general amplification 2SC1473 complementary to 2SA1018 2SC1473A complementary to 2SA1767

Features

- High collector to emitter voltage V_{CEO} .
- High transition frequency f_T .

Absolute Maximum Ratings (1a=23 C)								
Parameter		Symbol	Ratings	Unit				
Collector to	2SC1473	N7	250	17				
base voltage	2SC1473A	V _{CBO}	300	V				
Collector to	2SC1473	37	200	3.7				
emitter voltage	2SC1473A	V _{CEO}	300	V				
Emitter to base voltage		V_{EBO}	7	V				
Peak collector current		I _{CP}	100	mA				
Collector current		I _C	70	mA				
Collector power dissipation		P _C	750	mW				
Junction temperature		Tj	150	°C				
Storage temperature		T _{stg}	-55 ~ +150	°C				

Absolute Maximum Ratings (Ta=25°C)

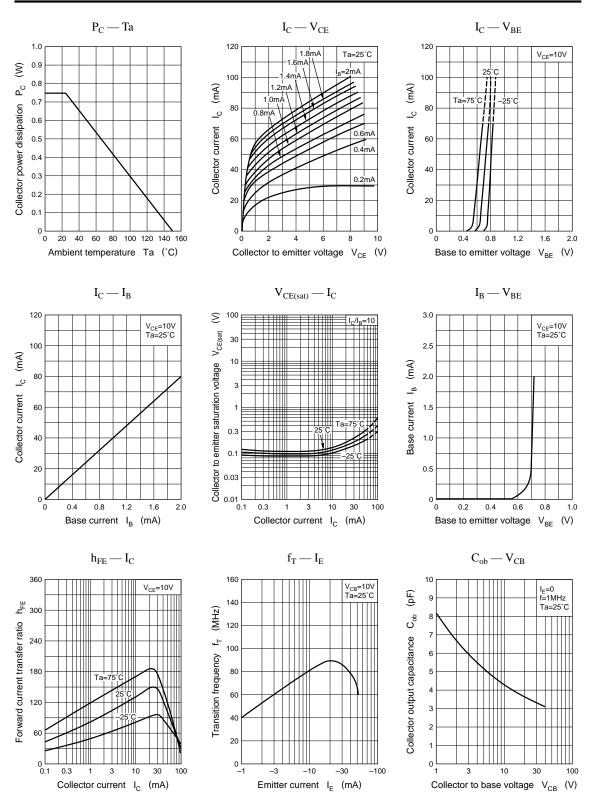


Electrical Characteristics (Ta=25°C)

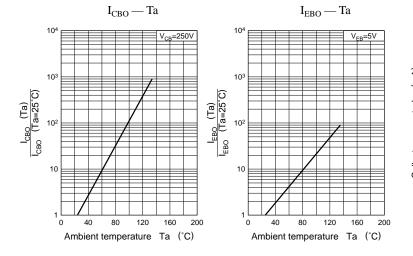
Parameter		Symbol	Conditions	min	typ	max	Unit
Collector cutoff	2SC1473	т	$V_{CE} = 120V, I_B = 0$			1	
current	2SC1473A	I _{CEO}	$V_{CE} = 120V, I_B = 0$			1	μA
Collector to emitter	2SC1473	X 7	$I_{\rm C} = 100 \mu A, I_{\rm C} = 0$	200			v
voltage	2SC1473A	V _{CEO}		300			
Emitter to base voltage		V _{EBO}	$I_{\rm E} = 1 \mu A, I_{\rm C} = 0$	7			v
Forward current transfer ratio		h _{FE} *	$V_{CE} = 10V, I_C = 5mA$	30		220	
Collector to emitter saturation voltage V _C		V _{CE(sat)}	$I_{\rm C} = 50 {\rm mA}, I_{\rm B} = 5 {\rm mA}$			1.2	v
Transition frequency		f _T	$V_{CB} = 10V, I_E = -10mA, f = 200MHz$	50	80		MHz
Collector output capacitance		C _{ob}	$V_{CB} = 10V, I_E = 0, f = 1MHz$			10	pF

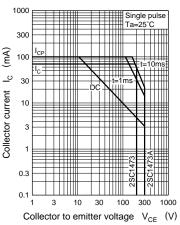
*hFE Rank classification

Rank	Р	Q	R
h _{FE}	30 ~ 100	60 ~ 150	100 ~ 220



Area of safe operation (ASO)





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