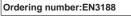
查询2SA1740供应商



捷多邦,专业PCB打样工厂,24小时加急出货

PNP Epitaxial Planar Silicon Transistor NPN Triple Diffuesd Planar Silicon Transistor

2SA1740/2SC4548

High-Voltage Driver Applications

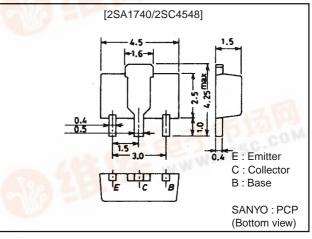
Features

- · High breakdown votlage.
- · Adoption of MBIT process.
- · Excellent h_{FE} linearlity.

Package Dimensions

unit:mm





():2SA1740

Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	V _{CBO}		(–)400	V
Collector-to-Emitter Voltage	VCEO		(-)400	V
Emitter-to-Base Voltage	VEBO	1.00	(–)5	V
Collector Current	IC		(–)200	mA
Collector Current (Pulse)	I _{CP}	162 200	(–)400	mA
Collector Dissipation	PC	Mounted on ceramic board (250mm ² ×0.8mm)	1.3	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Collector Cutoff Current	ICBO	V _{CB} =(-)300V, I _E =0			(–)0.1	μA
Emitter Cutoff Current	IEBO	V _{EB} =(-)4V, I _C =0			(–)0.1	μA
DC Current Gain	h _{FE}	V _{CE} =(-)10V, I _C =(-)50mA	60*	177	200*	dia.
Gain-Bandwidth Product	fT	V _{CE} =(-)30V, I _C =(-)10mA	28	70	a.C -	MHz
Output Capacitance	Cob	V _{CB} =(-)30V, f=1MHz		(5)4		pF
Reverse Transfer Capacitance	C _{re}	V _{CB} =(–)30V, f=1MHz	A	(4)3		pF
Collector-to-Emitter Saturation Voltage	V _{CE(sat)}	I _C =(-)50mA, I _B =(-)5mA		(–)0.8		V
	-			0.6		V

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2SA1740/2SC4548

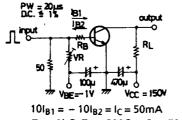
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C =(-)50mA, I _B =(-)5mA			(–)1.0	V
Collector-to-Base Breakdown Voltage	V _(BR) CBO	I _C =(-)10µA, I _E =0	(–)400			V
Collector-to-Emitter Breakdown Voltage	V(BR)CEO	I _C =(−)1mA, R _{BE} =∞	(–)400			V
Emiiter-to-Base Breakdown Voltage	V(BR)EBO	I _E =(-)10μA, I _C =0	(–)5			V
Turn-ON Time	ton	See specified Test Circuit		0.25		μs
Turn-OFF Time	toff	See specified Test Circuit		5.0		μs

* The 2SA1740/2SC4548 are classified by 50mA $h_{FE} \mbox{ as follows}$:

 60
 D
 120
 100
 E

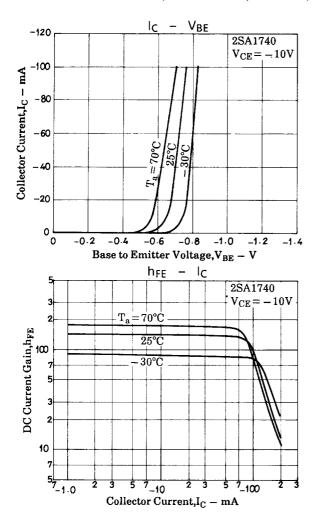
 Marking 2SA1740 : AK
 2SC4548 : CN
 hFE rank : D, E
 E

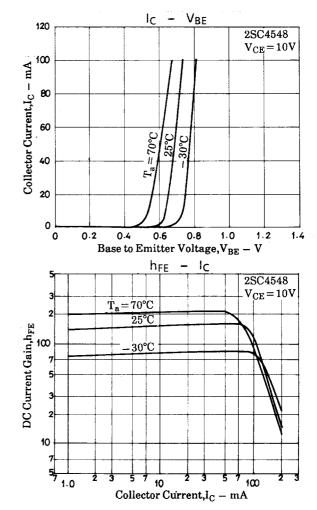
Switching Time Test Circuit



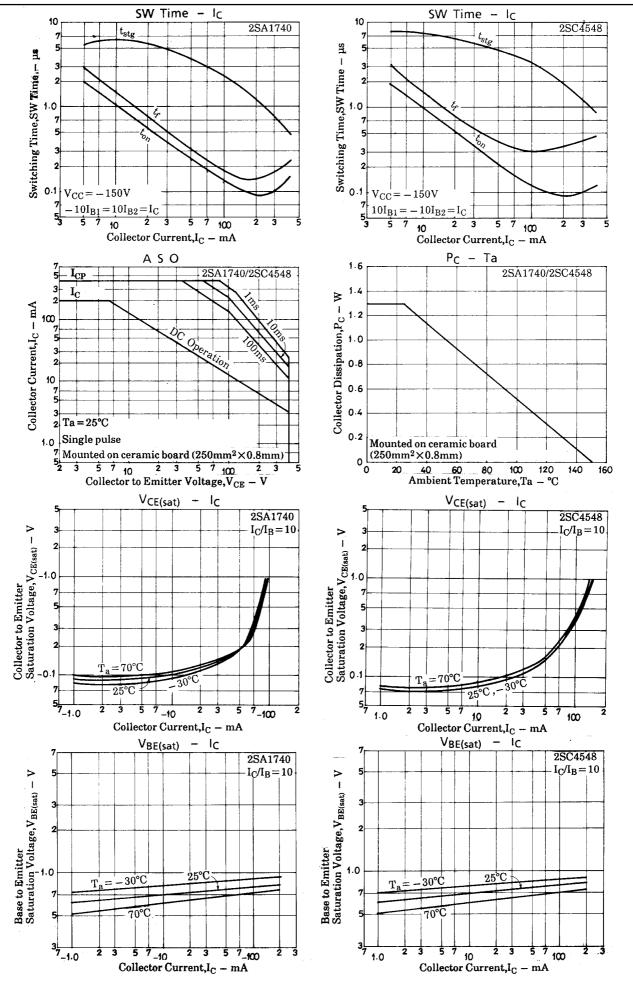
$$\begin{split} R_L = & 3k\Omega, R_B = 200\Omega \text{ at } I_C = & 50mA \\ \text{For PNP, the polarity is reversed.} \\ & \text{Unit (resistance : } \Omega, \text{ capacitance : F)} \end{split}$$

200





2SA1740/2SC4548



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