Ordering number: EN3023

PNP/NPN Epitaxial Planar Silicon Transistor



2SA1703/2SC4483

Low-Frequency Amplifier, Electronic Governor Applications

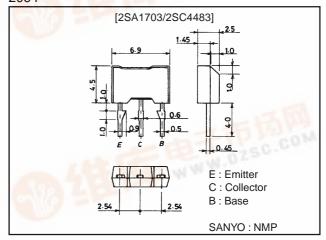
Features

· Low collector-to-emitter saturation voltage.

Package Dimensions

unit:mm

2064



(): 2SA1703

Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Parameter Symbol Conditions		Ratings	Unit
Collector-to-Base Voltage	V _{CBO}		(–)30	V
Collector-to-Emitter Voltage	V _{CEO}		(–)25	V
Emitter-to-Base Voltage	V _{EBO}		(–)5	V
Collector Current	Ic		(–)1.5	А
Collector Current (Pulse)	I _{CP}	A COLUMN TO A STATE OF THE PARTY OF THE PART	(–)3	Α
Collector Dissipation	PC	A 20 A 7 Lb 1-5	1	W
Junction Temperature	Tj	CO. 1/6	150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions		Ratings		
Falametel	Symbol	Conditions		typ	max	Unit
Collector Cutoff Current	I _{CBO}	V _{CB} =(-)20V, I _E =0			(-)100	nA
Emitter Cutoff Current	I _{EBO}	V _{EB} =(-)4V, I _C =0			(-)100	nA
DC Current Gain	h _{FE} 1	V _{CE} =(-)2V, I _C =(-)50mA	100*	LTIT	400*	14
	h _{FE} 2	V _{CE} =(-)2V, I _C =(-)1A	40		46.7	. w
Gain-Bandwidth Product	f _T	V _{CE} =(-)10V, I _C =(-)50mA		(180)		MHz
		415.15	A	150		MHz

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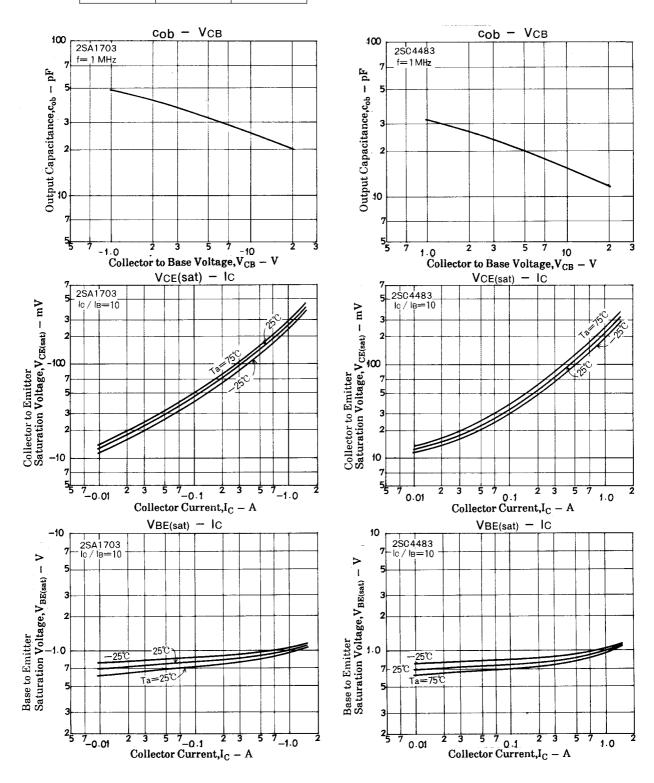
SANYO Electric Co.,Ltd. Semiconductor Bussiness Headquaters
TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

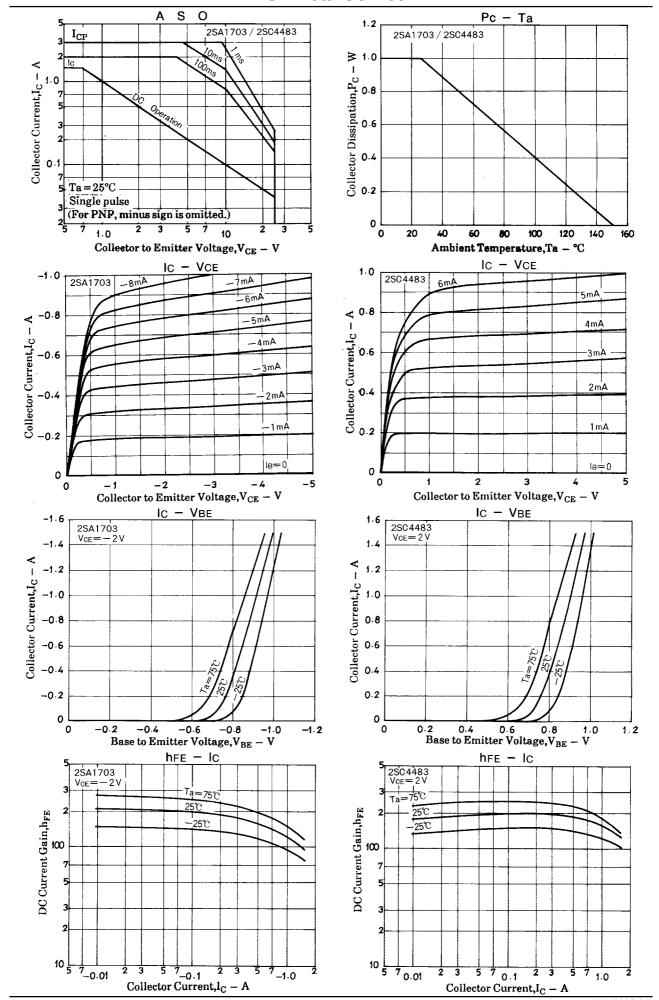
2SA1703/2SC4483

Parameter	Symbol	Conditions		Unit		
r arameter	Symbol	Conditions		typ	max	Oille
Collector-to-Emitter Saturation Voltage	V _{CE(sat)}	I _C =(-)500mA, I _B =(-)50mA		(-0.15)	(-0.5)	V
				0.12	0.3	V
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C =(-)500mA, I _B =(-)50mA		(-)0.9	(-)1.2	V
Output Capacitance	C _{ob}	V _{CB} =(–)10V, f=1MHz		(25)15		pF
Collector-to-Base Breakdown Voltage	V _(BR) CBO	I _C =(-)10μA, I _E =0	(–)30			V
Collector-to-Emitter Breakdown Voltage	V(BR)CEO	I _C =(−)1mA, R _{BE} =∞	(–)25			V
Emitter-to-Base Breakdown Votage	V _{(BR)EBO}	I _E =(-)10μA, I _C =0	(–)5			V

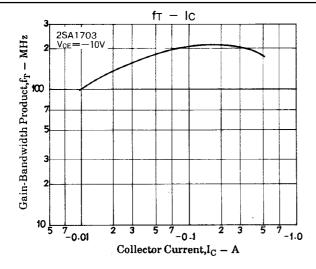
 $[\]ast$: The 2SA1703/2SC4483 are classified by 50mA h_{FE} as follows :

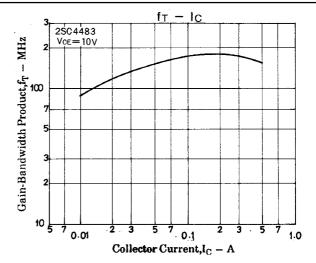
100 R 200 140 S 280 200 T 400		100	R	200	140	S	280	200	Т	400
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2SA1703/2SC4483





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