

DESCRIPTION

2SC5484 is a silicon NPN epitaxial transistor.
Designed with high collector current and high hFE.

FEATURE

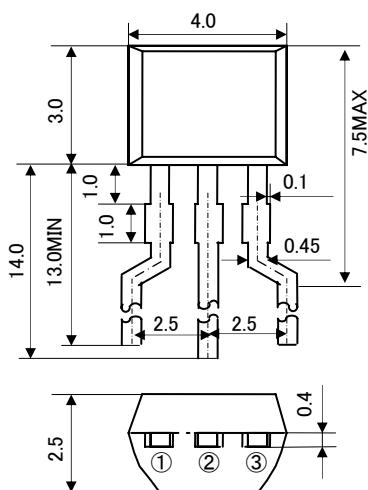
- High collector current
 $I_c=1.5A$, $I_{cm}=3A$
- High hFE
 $hFE=400\sim 3000$
- Low collector to emitter saturation voltage
 $V_{CE(sat)}=0.2V$ typ (@ $I_c=1A$, $I_B=20mA$)
- High collector dissipation
 $P_c=600mW$

APPLICATION

VTR, tape-deck, small type motor drive of player, plunger,
drive of relay, power supply of ripple filter

OUTLINE DRAWING

UNIT:mm



TERMINAL CONNECTOR

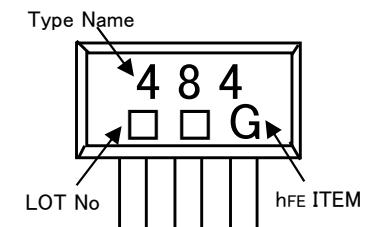
①:EMITTER
②:COLLECTOR
③:BASE

EIAJ: -
JEDEC: -

MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit
V _{CBO}	Collector to Base voltage	30	V
V _{EBO}	Emitter to Base voltage	6	V
V _{CEO}	Collector to Emitter voltage	25	V
I _{CM}	Peak collector current	3	A
I _C	Collector current	1.5	A
P _C	Collector dissipation	600	mW
T _j	Junction temperature	+150	°C
T _{stg}	Storage temperature	-55~+150	°C

MARKING



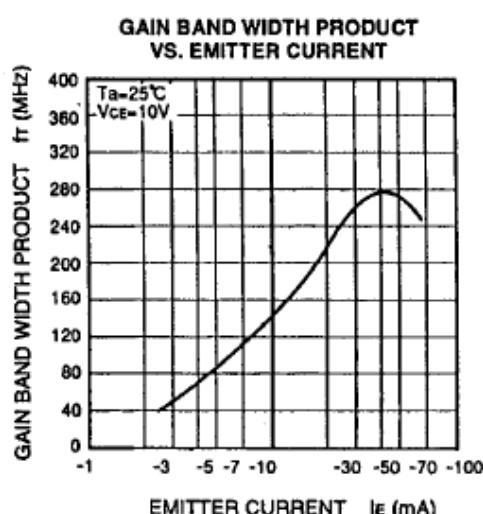
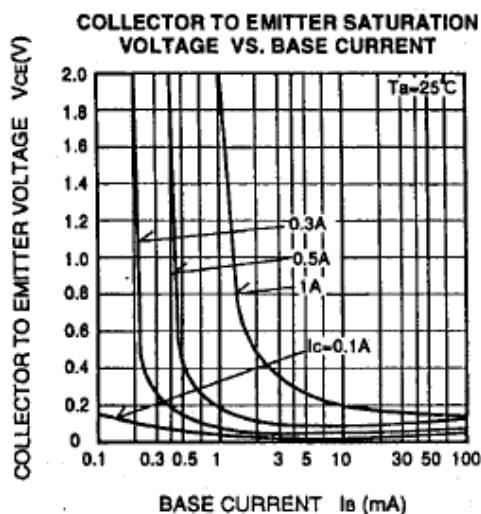
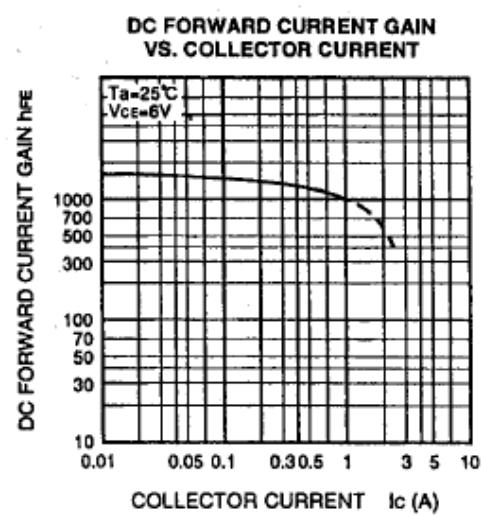
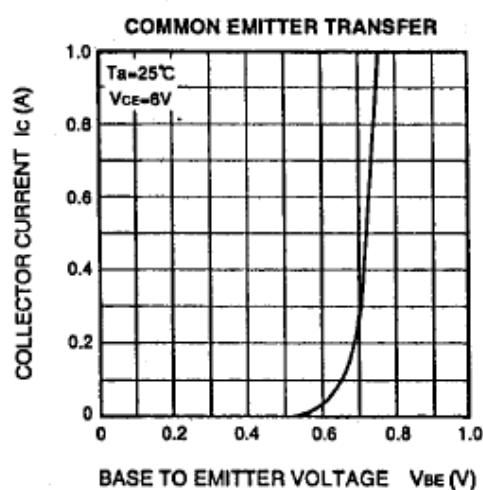
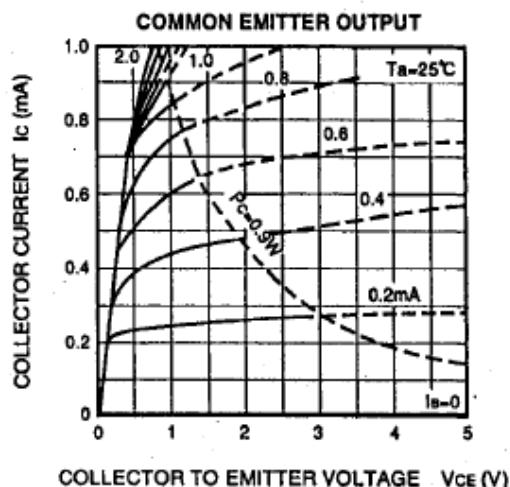
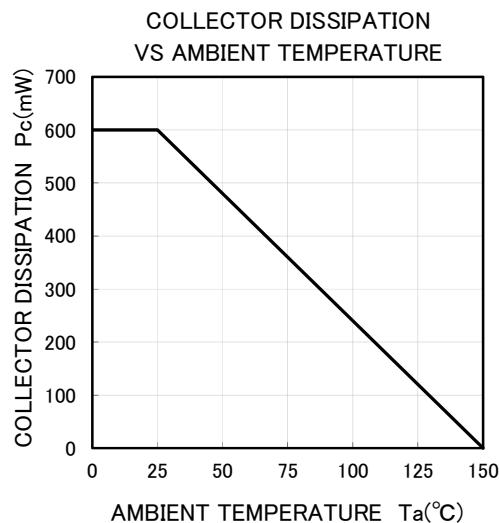
ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Typ	Max	
V _{(BR)CBO}	C to B breakdown voltage	I _C = 10 μ A, I _E = 0	30	-	-	V
V _{(BR)EBO}	E to B breakdown voltage	I _E =10 μ A, I _C =0	6	-	-	V
V _{(BR)CEO}	C to E breakdown voltage	I _C =1mA, R _{BE} = ∞	25	-	-	V
I _{CBO}	Collector cut off current	V _{CB} =20V, I _E =0	-	-	0.1	μ A
I _{EBO}	Emitter cut off current	V _{EB} =2V, I _C =0	-	-	0.1	μ A
h _{FE}	DC forward current gain	V _{CE} =6V, I _C = 500mA	400	-	3000	-
V _{CE(sat)}	C to E saturation voltage	I _C =1A, I _B =20mA	-	0.2	0.5	V
f _T	Gain bandwidth product	V _{CE} =10V, I _E =-10mA	-	130	-	MHz
C _{ob}	Collector output capacitance	V _{CB} =10V, I _E =0, f=1MHz	-	17	-	pF

※ : It shows hFE classification at right table.

Item	G	H	J	K
hFE	400~800	600~1200	900~1800	1500~3000

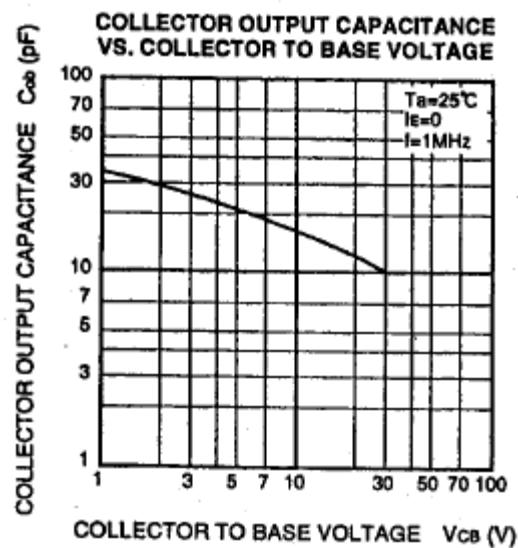
TYPICAL CHARACTERISTICS



⟨transistor⟩

2SC5484

For Small Type Motor, Plunger Drive Application
Silicon NPN Epitaxial Type Micro





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