

2SC5484

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

DESCRIPTION

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

FEATURE

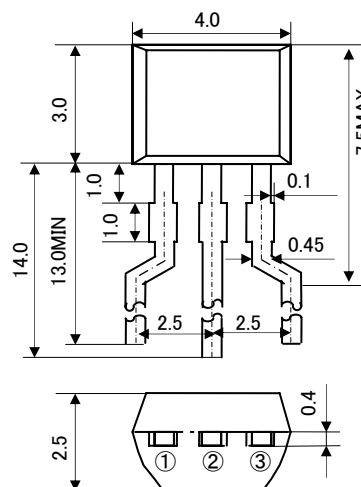
- High collector current
 $I_C=1.5A$, $I_{CM}=3A$
- High hFE
 $h_{FE}=400\sim3000$
- Low collector to emitter saturation voltage
 $V_{CE(sat)}=0.2V$ typ (@ $I_C=1A$, $I_B=20mA$)
- High collector dissipation
 $P_C=600mW$

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: -

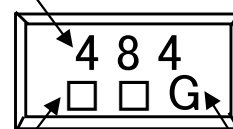
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MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit
VCBO	Collector to Base voltage	30	V
VEBO	Emitter to Base voltage	6	V
VCEO	Collector to Emitter voltage	25	V
ICM	Peak collector current	3	A
IC	Collector current	1.5	A
PC	Collector dissipation	600	mW
Tj	Junction temperature	+150	°C
Tstg	Storage temperature	-55~+150	°C

MARKING

Type Name



LOT No

hFE ITEM

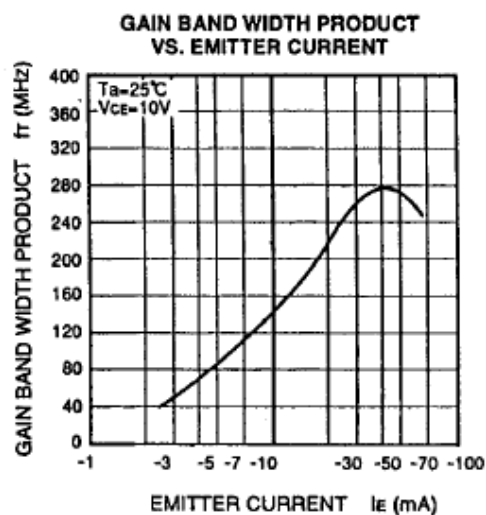
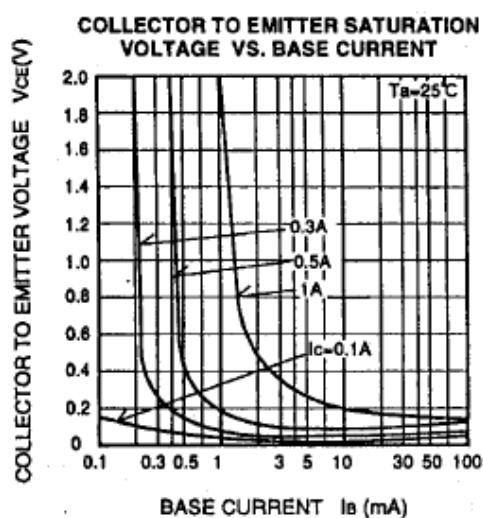
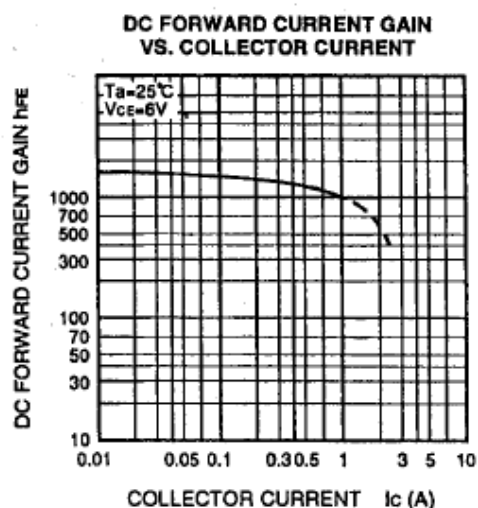
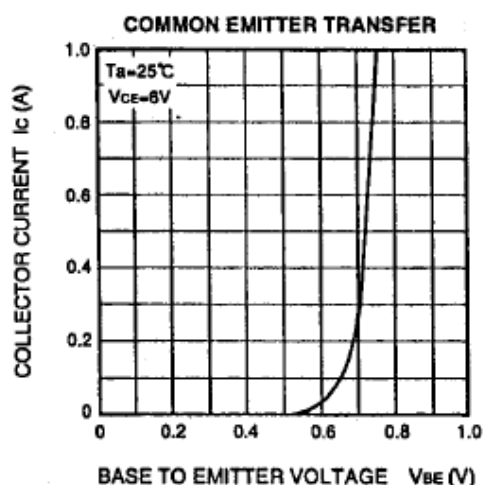
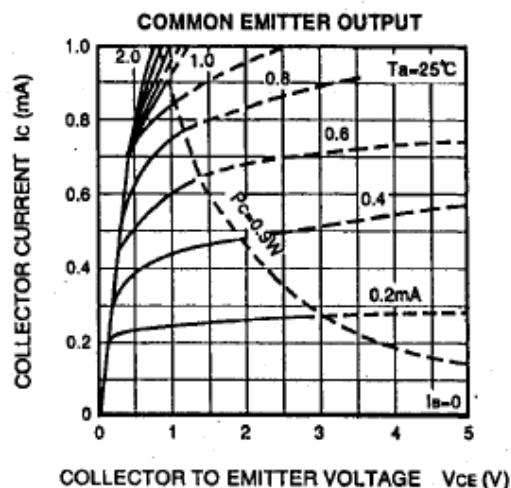
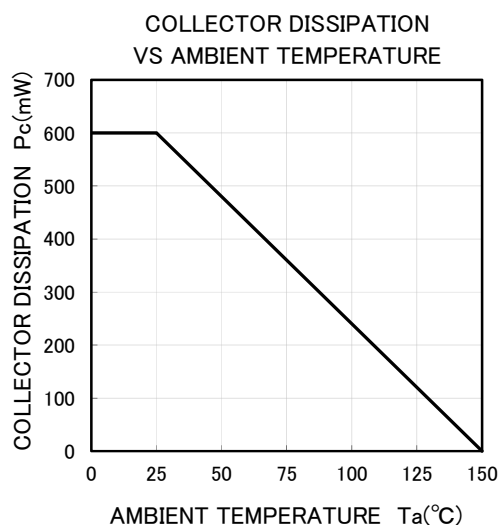
ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Typ	Max	
V(BR)CBO	C to B breakdown voltage	$I_C=10\mu A$, $I_E=0$	30	-	-	V
V(BR)EBO	E to B breakdown voltage	$I_E=10\mu A$, $I_C=0$	6	-	-	V
V(BR)CEO	C to E breakdown voltage	$I_C=1mA$, $R_{BE}=\infty$	25	-	-	V
ICBO	Collector cut off current	$V_{CB}=20V$, $I_E=0$	-	-	0.1	μA
IEBO	Emitter cut off current	$V_{EB}=2V$, $I_C=0$	-	-	0.1	μA
hFE	DC forward current gain ※	$V_{CE}=6V$, $I_C=500mA$	400	-	3000	-
VCE(sat)	C to E saturation voltage	$I_C=1A$, $I_B=20mA$	-	0.2	0.5	V
fT	Gain bandwidth product	$V_{CE}=10V$, $I_E=-10mA$	-	130	-	MHz
Cob	Collector output capacitance	$V_{CB}=10V$, $I_E=0$, $f=1MHz$	-	17	-	pF

※ : It shows hFE classification at right table.

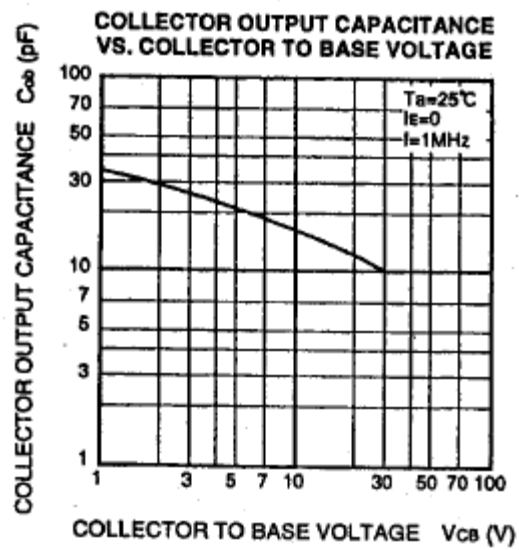
Item	G	H	J	K
hFE	400~800	600~1200	900~1800	1500~3000

TYPICAL CHARACTERISTICS



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