

2SC5484

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

DESCRIPTION

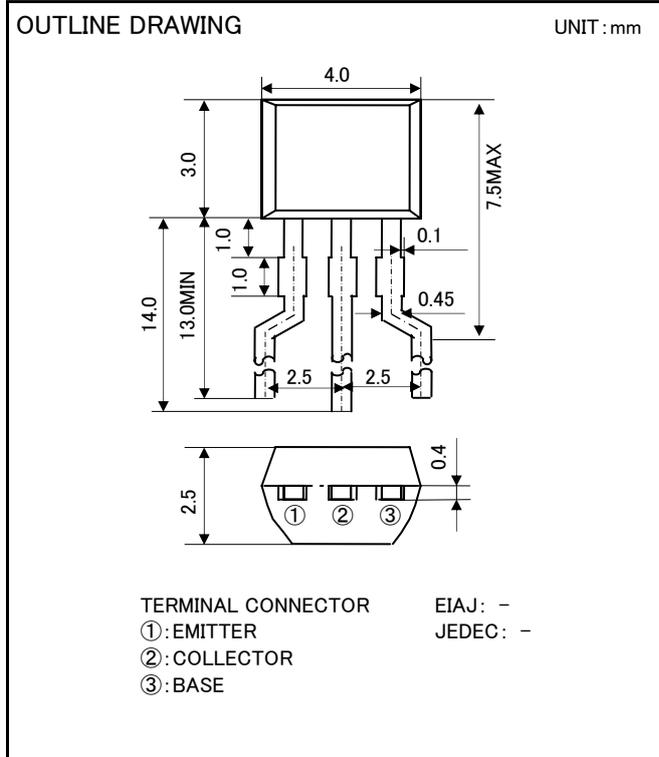
2SC5484 is a silicon NPN epitaxial transistor. Designed with high collector current and high hFE.

FEATURE

- High collector current
Ic=1.5A, ICM=3A
- High hFE
hFE=400~3000
- Low collector to emitter saturation voltage
VCE(sat)=0.2V typ (@IC=1A, IB=20mA)
- High collector dissipation
Pc=600mW

APPLICATION

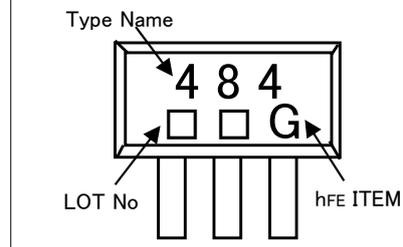
VTR, tape-deck, small type motor drive of player, plunger, drive of relay, power supply of ripple filter



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



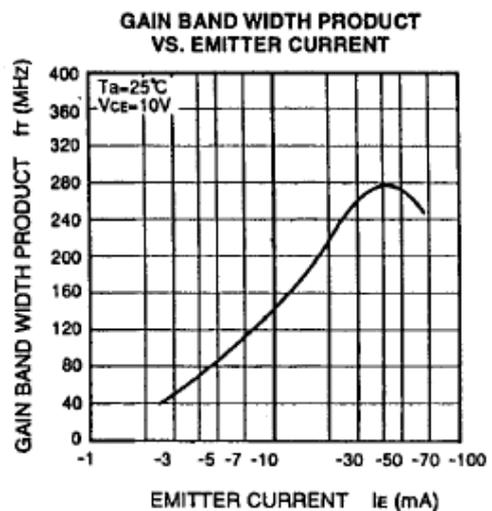
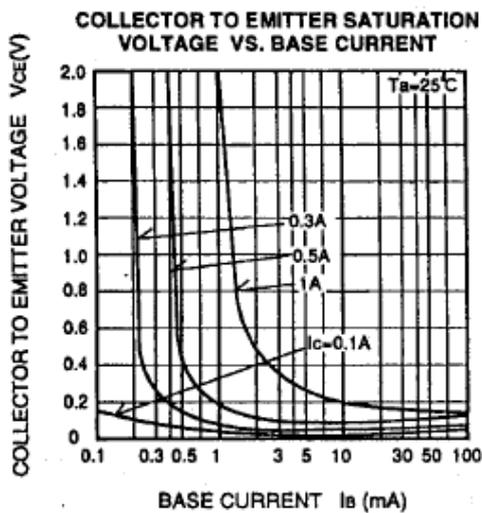
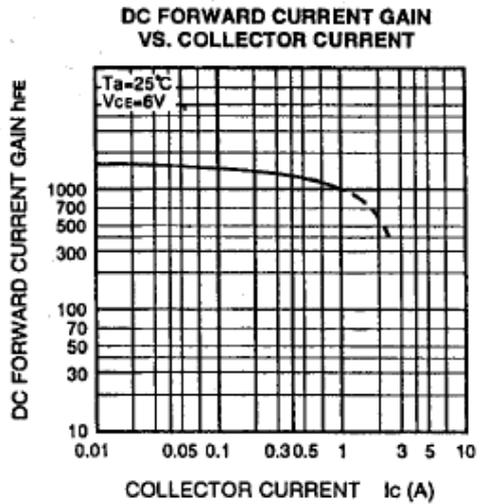
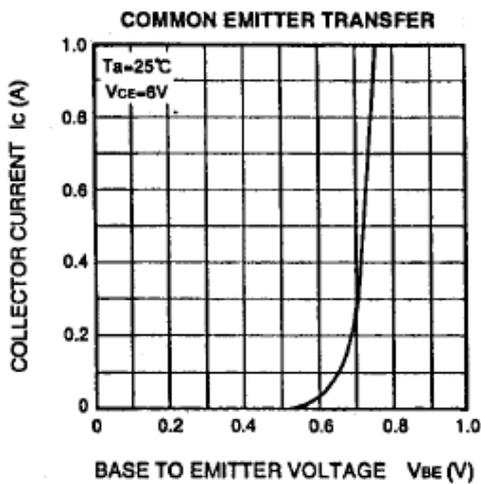
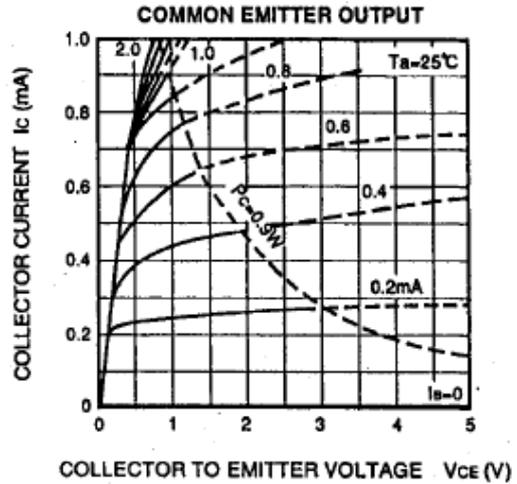
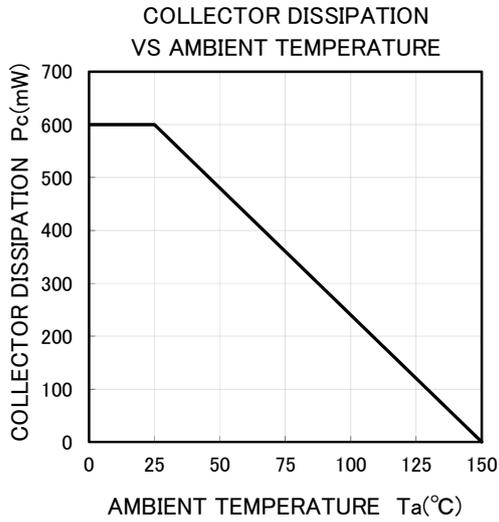
ELECTRICAL CHARACTERISTICS (Ta=25°C)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Typ	Max	
V(BR)CBO	C to B breakdown voltage	IC= 10 μA, IE= 0	30	-	-	V
V(BR)EBO	E to B breakdown voltage	IE=10 μA, IC=0	6	-	-	V
V(BR)CEO	C to E breakdown voltage	IC=1mA, RE=∞	25	-	-	V
ICBO	Collector cut off current	VCB=20V, IE=0	-	-	0.1	μA
IEBO	Emitter cut off current	VEB=2V, IC=0	-	-	0.1	μA
hFE	DC forward current gain ※	VCE=6V, IC= 500mA	400	-	3000	-
VCE(sat)	C to E saturation voltage	IC=1A, IB=20mA	-	0.2	0.5	V
fT	Gain bandwidth product	VCE=10V, IE=-10mA	-	130	-	MHz
Cob	Collector output capacitance	VCB=10V, IE=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

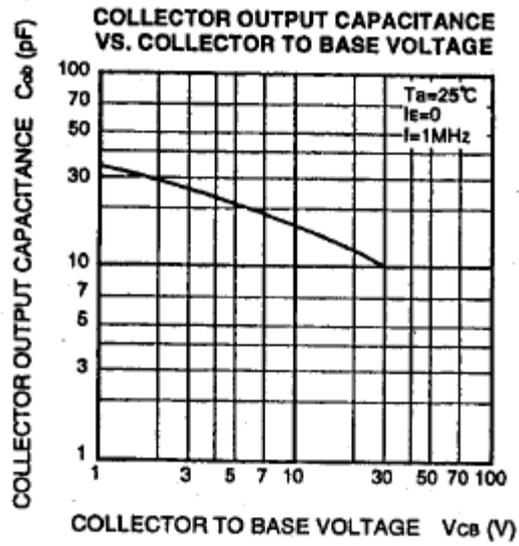
TYPICAL CHARACTERISTICS



<transistor>

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6-41 Tsukuba, Isahaya, Nagasaki, 854-0065 Japan

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