2SC3441

FOR GENERAL PURPOSE HIGH CURRENT DRIVE APPLICATION SILICON NPN EPITAXIAL TYPE

DESCRIPTION

2SC3441 is a super mini silicon NPN epitaxial type transistor designed with high collector current, high voltage.

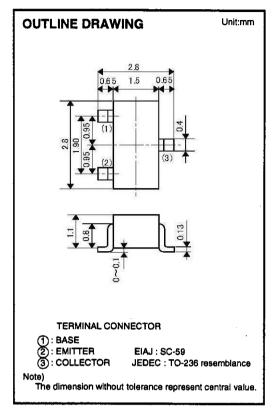
Complementary with 2SA1366.

FEATURE

- ●High VCEO VCEO=50V
- Excellent linearity of DC forward current gain
- Super mini package for easy mounting
- ●High collector current Icm=600mA
- ●High gain band width product fr=150MHz typ

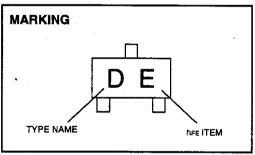
APPLICATION

For switching application, for small type motor drive application.



MAXIMUM RATINGS (Ta=25°C)

Symbol	Parameter	Ratings	Unit
Vсво	Collector to Base voltage	55	V
VEBO	Emitter to Base voltage	4	V
VCEO	Collector to Emitter voltage	50	V
Ісм	Peak collector current	600	mA
Ic	Collector current	400	mA
Pc	Collector dissipation(Ta=25℃)	150	mW
Tj	Junction temperature	+125	ొ
Tstg	Storage temperature	-55 to +125	ొ



ELECTRICAL CHARACTERISTICS (Ta=25℃)

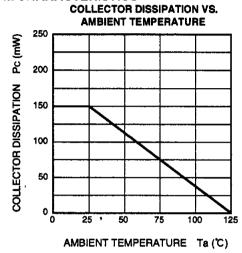
Symbol	Parameter	Test conditions		Limits		
		rest conditions	Min	Тур	Max	Unit
V(BR)CBO	C to B break down voltage	ic=10 μ A,IE=0	55			V
V(BR)EBO	E to B break down voltage	IE=10 μ A,IC=0	4		-	V
V(BR)CEO	C to E break down voltage	Ic=100 μ A,RBE=∞	50			V
Ісво	Collector cut off current	VcB=25V,iE=0			0.5	μΑ
lebo	Emitter cut off current	VEB=2V,lc=0			0.5	μΑ
hre *	DC forward current gain	VcE=4V,lc=100mA	90		500	
VCE(sat)	C to E saturation voltage	ic=200mA,ls=10mA		0.15	0.5	V
fr	Gain band width product	VcE=6V,le=-10mA		150		MΗ2

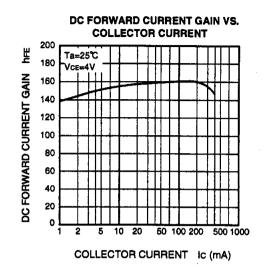
^{* :} It shows her classification in right table.

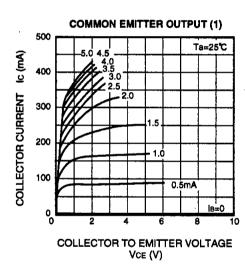
Marking	DD	DE	DF
hre	90 to 180	150 to 300	250 to 500

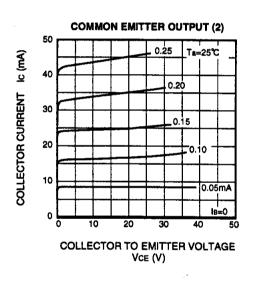
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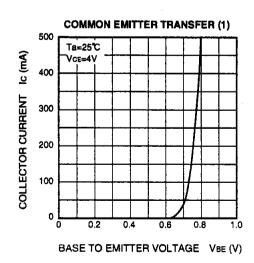
TYPICAL CHARACTERISTICS

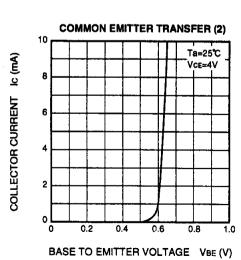














http://www.idc-com.co.jp 6-41, TSUKUBA, ISAHAYA, NAGASAKI, 854-0065, JAPAN

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