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2SC5485

UNIT:mm

For High Current Application Silicon NPN Epitaxial Type Micro(Frame type)

OUTLINE DRAWING

TERMINAL CONNECTOR

EIAJ : -

JEDEC :--

① : EMITTER ② : COLLECTOR

③:BASE

3.0

DESCRIPTION

www.DataSheet4U.com

Mitsubishi 2SC5485 is a silicon NPN epitaxial type transistor

designed with high collector current ,small, VCE(sat).

FEATURE

- · High collector current
- I см=1000mA
- Excellent linearity of DC forward current gain
- Low collector to emitter saturation voltage VCE(sat) = 0.2V typ (@ IC=500mA,IB=25mA)
- High gain band width product fT= 180MHz typ
- High collector dissipation Pc= 600mW

APPLICATION

Small type motor drive, relay drive, power supply application.

MAXIMUM RATINGS (Ta=25°C)

SYMBOL	PARAMETER	RATINGS	UNIT
Vсво	Collector to Base voltage	25	· V
VEBO	Emitter to Base voltage	4	V
VCEO	Collector to Emitter voltage	20	V
Ісм	Peak collector current	1000	mA
10	Collector current	700	mA
Pc	Collector to Base voltage	600	mW
Tj	Junction temperature	+150	°C
Tstg	Storage temperature	-55to+150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

SYMBOL	PARAMETER	TESTCONDITIONS		LIMITS		
			MIN	TYP	MAX	
V(BR)CBO C to B break down voltage		Ι C=10 μ A, Ι E=0	25			V
V(BR)EBO	E to B break down voltage	Ι E=10μΑ, Ι C=0	4	7		V
V(BR)CEO	C to E break down voltage	I C=100 µ A, RBE=∞	20			, V
ГСВО	Collector cut off current	Vcb=25V, I E=0			1	μA
l ebo	Emitter cut off current	VEB=2V, C=0			1	μA
hFE *	DC forward current gain	Vce=4V, 1 c=100mA	150		800	-
VCE(sat)	C to E saturation voltage	I c=500mA, I B=25mA		0.2	0.5	V
fτ	Gain band width product	VCE=6V, I E=-10mA		180		MHz

ITEM	E	F	G
hFE	150~300	250~500	400~800

ISAHAYA ELECTRONICS CORPORATION

(Transistor)

2SC5485

For High Current Application Silicon NPN Epitaxial Type Micro(Frame type)



ISAHAYA ELECTRONICS CORPORATION

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

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