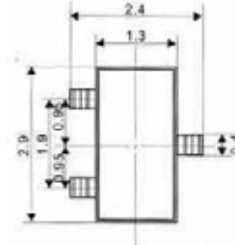


Silicon PNP SMD triode

1: base 2: emitter 3: collector

Outline example SOT-23

Small and medium-sized power amplifier ,
medium power drive and switching applications

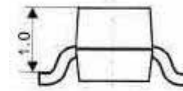


P/N suffix V means AEC-Q101 qualified, e.g:SS8550V

P/N suffix V means Halogen-free

HFE(1) :Classification

Rank	L	H	J
Range	120-200	200-350	300-400
Marking	Y2		



Maximum ratings(Ta=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Breakdown Voltage	VCBO	-40	V
Collector-Emitter Breakdown Voltage	VCEO	-25	V
Emitter-Base Breakdown Voltage	VEBO	-5	V
Collector Current	IC	-1.5	A
Collector Power Dissipation	Pc	300	mW
Junction Temperature	TJ	150	°C
Storage Temperature	Tstg	-65~150	°C

Electrical Characteristics (Ta=25°C unless otherwise noted)

Parameter	Symbol	Test Condition	Min	Max	Unit
Collector-Base Breakdown Voltage	VCBO	IC=-100uA IE=0	-40		V
Collector-Emitter Breakdown Voltage	VCEO	IC=-1mA IB=0	-25		V
Emitter-Base Breakdown Voltage	VEBO	IE=-100uA IC=0	-5		V
Collector Cutoff Current	ICBO	VCB=-40V IE=0		-100	nA
Emitter Cutoff Current	IEBO	VCE=-5V IB=0		-100	nA
DC Current Gain	HFE(1)	VCE=-1V IC=-100mA	120	400	
	HFE(2)	VCE=-1V IC=-800mA	40		
Collector-Emitter Saturation Voltage	VCE(sat)	IC=-800mA IB=-80mA		-0.5	V
Collector-Base Saturation Voltage	VBE(sat)	IC=-800mA IB=-80mA		-1.2	V
transition frequency	f _T	VCE=-10V IC=50mA f=30MHz	100		MHz

PACKAGING OF DIODE

REEL PACK

PACKAGE	PACKING CODE	REEL (EA)	COMPONENT SPACE(mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
SOT-23/-3L	-T	3,000	---	---	178	440*440*240	180,000	8.0

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