SMD Type Transistors

NPN Transistors 2SC1623

Features

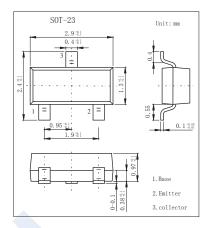
• High DC Current Gain:

hfe = 200 TYP.

Vce = 6.0 V, Ic = 1.0 mA

High Voltage:

Vce o = 50 V



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector to base voltage	Vсво	60	V
Collector to emitter voltage	VCEO	50	V
Emitter to base voltage	VEBO	5	V
Collector current (DC)	Ic	100	mA
Collector power dissipation	Pc	200	mW
Junction temperature	Tj	150	$^{\circ}$
Storage temperature range	Tstg	-55 to +150	$^{\circ}$ C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditions	Min	Тур	Max	Unit
Collector cutoff current ICBO VCB = 60		Vcb = 60V, IE=0			0.1	μ Α
Emitter cutoff current	ІЕВО	VEB = 5V, IC=0			0.1	μА
DC current gain *	hFE	Vce = 6V , Ic = 1mA	90	200	600	
Collector-emitter saturation voltage *	VCE(sat)	Ic = 100mA , IB = 10mA		0.15	0.3	V
Base-emitter saturation voltage *	VBE(sat)	Ic = 100mA , IB = 10mA		0.86	1	V
Base-emitter voltage *	VBE	Vce = 6V , Ic = 1mA	0.55	0.62	0.65	V
Output capacitance	Cob	Vcb = 6V , IE = 0 , f = 1.0MHz		3.0		pF
Transiton Frequency	fτ	Vce = 6V , Ie = -10mA		250		MHz

^{*.} PW \leqslant 350 us,duty cycle \leqslant 2%

■ hfe Classification

Marking	L4	L5	L6	L7
hFE	90 to 180	135 to 270	200 to 400	300 to 600

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■ Typical Characteristics

