Low frequency amplifier

2SD2653K

Application

Low frequency amplifier Driver

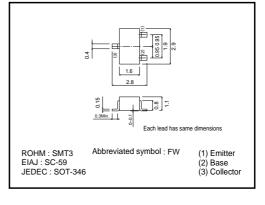
Features

1) A collector current is large.

2) $V_{CE(sat)} \le 180 mV$

At Ic = $1A / I_B = 50mA$

• External dimensions (Units : mm)



● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Collector-base voltage	Vсво	15	V
Collector-emitter voltage	VCEO	12	V
Emitter-base voltage	Vebo	6	V
Collector current	lc	2	Α
Conector current	Іср	4	Α*
Power dissipation	Pc	200	mW
Junction temperature	Tj	150	°C
Range of storage temperature	Tstg	-55~+150	٥°

*Single pulse, Pw=1ms

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	15	-	-	V	Ic=10μA
Collector-emitter breakdown voltage	BVCEO	12	-	-	V	Ic=1mA
Emitter-base breakdown voltage	ВVево	6	-	-	V	Ιε=10μA
Collector cutoff current	Ісво	-	_	100	nA	V _{CB} =15V
Emitter cutoff current	Іево	-	-	100	nA	VEB=6V
Collector-emitter saturation voltage	VCE(sat)	-	90	180	mV	Ic=1A, IB=50mA
DC current gain	hfe	270	-	680	-	Vce=2V, Ic=200mA*
Transition frequency	f⊤	-	360	_	MHz	Vce=2V, Ie=-200mA, f=100MHz*
Corrector output capacitance	Cob	-	20	-	pF	Vcb=10V, IE=0A, f=1MHz

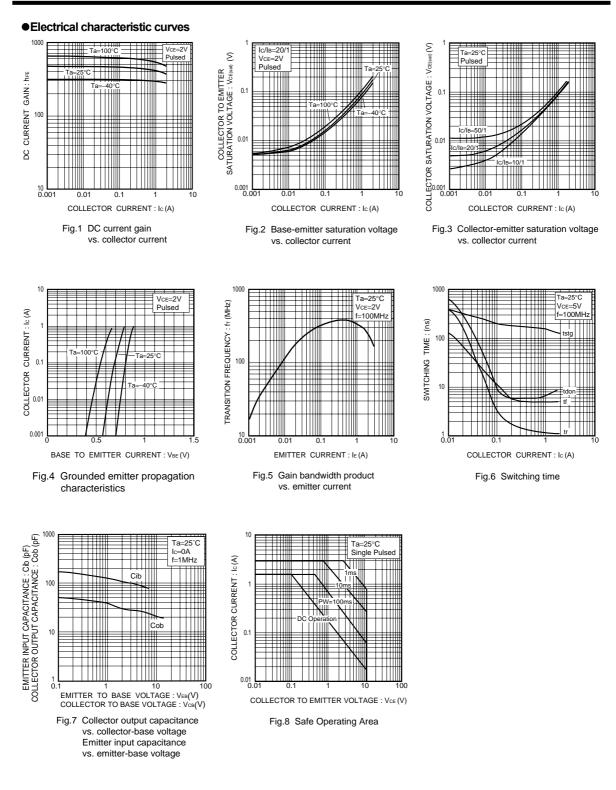
* Pulsed

Packaging specifications

	Package	Taping
	Code	T146
Туре	Basic ordering unit (pieces)	3000
2SD2653K		0

2SD2653K

Transistors



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