2SD2652

Transistors

General purpose amplification (12V, 1.5A) 2SD2652 WW.DZSC.COM

Application

Low frequency amplifier

Features

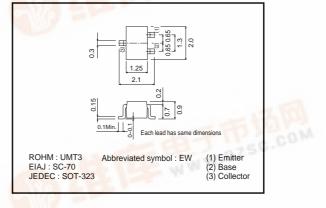
1) A collector current is large.

2) Collector saturation voltage is low.

 $V_{CE(sat)} \le 200 mV$

At Ic = 500mA / IB = 25mA

•External dimensions (Units : mm)



•Absolute maximum ratings (Ta=25°C)

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Parameter	Symbol	Limits	Unit	
Collector-base voltage	Vсво	15	V	
Collector-emitter voltage	VCEO	12	V	
Emitter-base voltage	Vево	6	V	
	lc	1.5	A	
Collector current	Іср	3	Α*	
Power dissipation	Pc	200	mW	
Junction temperature	Tj	150	°C	
Range of storage temperature	Tstg	-55~+150	°C	
*Single pulse, Pw=1ms	-1-	10 300	14	

Packaging specifications

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=10μΑ
Collector cutoff current	Ісво	-	_	100	nA	Vcb=15V
Emitter cutoff current	Іево	-		100	nA	VEB=6V
Collector-emitter saturation voltage	VCE(sat)		80	200	mV	Ic/I _B =500mA/25mA
DC current gain	hfe	270	- 61	680	-	VcE/Ic=2V/200mA *1
Transition frequency	fт	1-1	400	_	MHz	Vce=2V, Ie=-200mA, f=100MHz *1
Corrector output capacitance	Cob	_	12	_	pF	Vcb=10V, Ie=0A, f=1MHz

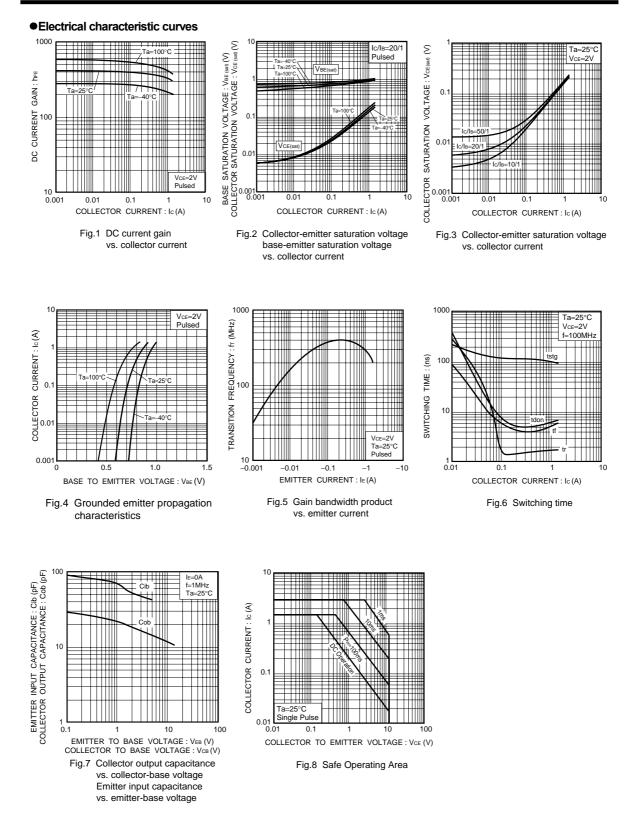
1 Pulsed





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Appendix

Notes

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