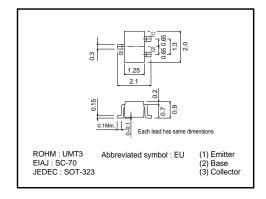
General purpose amplification (30V, 1A) **2SD2656**

Application

Low frequency amplifier

Features

1) A collector current is large. 2) Collector saturation voltage is low. $V_{CE(sat)} \le 350 mV$ At Ic = 500mA / IB = 25mA



•External dimensions (Units : mm)

•Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Collector-base voltage	Vсво	30	V
Collector-emitter voltage	Vceo	30	V
Emitter-base voltage	Vebo	6	V
Collector current	lc	1	А
Collector current	Іср	2	Α*
Power dissipation	Pc	200	mW
Junction temperature	Tj	150	°C
Range of storage temperature	Tstg	-55~+150	°C
«Single pulce Du-1me			

*Single pulse, Pw=1ms

Packaging specifications

	Package	Taping
	Code	T106
Туре	Basic ordering unit (pieces)	3000
2SD2656		0

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	30	-	-	V	Ic=10μA
Collector-emitter breakdown voltage	BVCEO	30	-	-	V	Ic=1mA
Emitter-base breakdown voltage	ВVево	6	-	-	V	Ιε=10μΑ
Collector cutoff current	Ісво	-	-	100	nA	Vcb=30V
Emitter cutoff current	Іево	-	-	100	nA	VEB=6V
Collector-emitter saturation voltage	VCE(sat)	-	140	350	mV	Ic/IB=500mA/25mA
DC current gain	hfe	270	-	680	-	Vce/lc=2V/100mA *1
Transition frequency	f⊤	-	400	-	MHz	Vce=2V, Ie=-100mA, f=100MHz *1
Corrector output capacitance	Cob	-	5	-	pF	Vcb=10V, IE=0A, f=1MHz

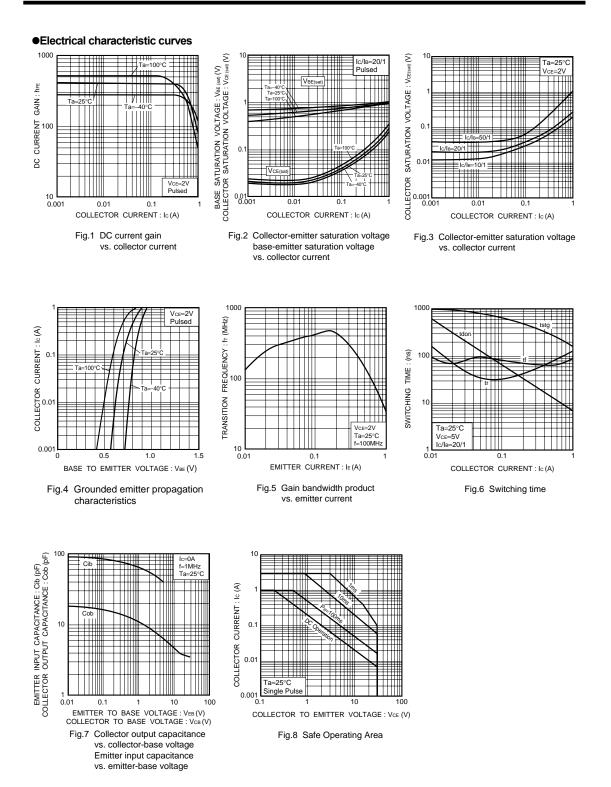
*1 Pulsed

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2SD2656

2/2

Transistors



ROHM

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