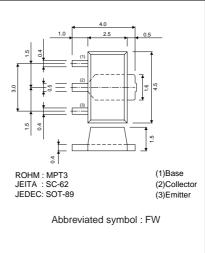
# Low frequency amplifier transistor(12V, 2A) 2SD2661

### Features

Low  $V_{CE(sat)} \leq 180 mV$  $(Ic / I_B = 1A / 50mA)$ 



•External dimensions (Unit : 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	A(DC)					
Collector current	IC	4	A(Pulse)*1					
Collector Bower dissinction	Pc	500	mW					
Collector Power dissipation	FC	2 *2	W					
Junction temperature	Tj	150	°C					
Storage temperature	Tstg	-55 to +150	°C					
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\*1 Pw=1ms Single Pulse \*2 Mounted on a 40×40×0.7mm ceramic substrcte

### •Electrical characteristics (Ta=25°C)

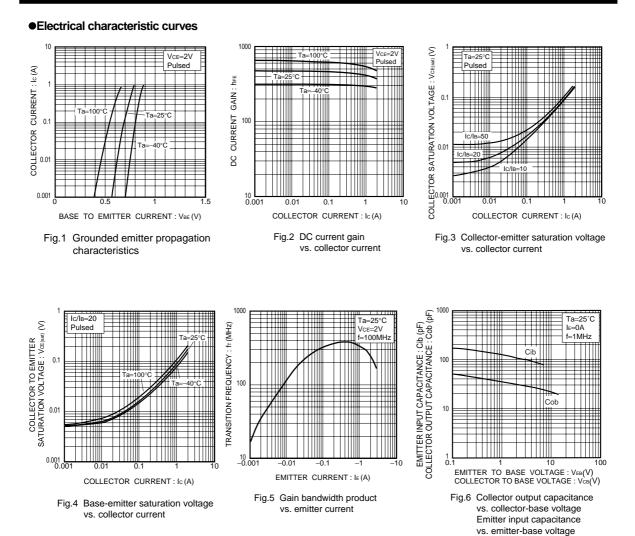
### Packaging specifications

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	Package	Taping		
Туре	Code	T100		
	Basic ordering unit (pieces)	1000		
2SD2661		0		

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	Vcb=15V
Emitter cutoff current	Іево	-	-	100	nA	Veb=6V
DC current transfer ratio	hfe	270	_	680	_	Vce=2V, Ic=200mA
Collector-emitter saturation voltage	VCE(sat)	-	90	180	mV	Ic / Iв=1А / 50mA
Transition frequency	f⊤	-	360	_	MHz	Vce=2V, Ie=-200mA, f=100MHz
Output capacitance	Cob	-	20	-	pF	Vcb=10V, IE=0A, f=1MHz



# Transistors



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