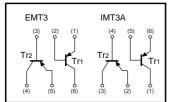
# General purpose (dual transistors) EMT3 / IMT3A

#### Features

1) Two 2SA1037AK chips in a EMT or SMT package.

#### Equivalent circuits



#### Absolute maximum ratings (Ta=25°C)

Parameter		Symbol	Limits	Unit
Collector-base voltage		Vсво	-60	V
Collector-emitter voltage		VCEO	-50	V
Emitter-base voltage		Vebo	-6	V
Collector current		lc	-150	mA
Collector power dissipation	EMT3	Pc	150(TOTAL)	mW *1 *2
	IMT3A		300(TOTAL)	
Junction temperature		Tj	150	°C
Storage temperature		Tstg	-55 to +150	°C

\*1 120mW per element must not be exceeded. \*2 200mW per element must not be exceeded.

#### Package, marking, and packaging specifications

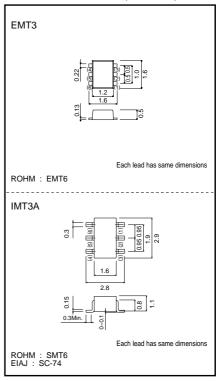
Туре	EMT3	IMT3A	
Package	EMT6	SMT6	
Marking	T3	Т3	
Code	T2R	T108	
Basic ordering unit (pieces)	8000	3000	

#### Conditions Parameter Min. Max. Symbol Тур. Unit Collector-base breakdown voltage ВУсво -60 V Ic=-50µA \_ Collector-emitter breakdown voltage BVCEO -50 V Ic= –1mA V IE=-50uA Emitter-base breakdown voltage **BV**EBO -6 \_ \_ Collector cutoff current Ісво -0.1 μΑ VCB=-60V \_ VEB=-6V Emitter cutoff current ЕВО \_ --0.1 μΑ Collector-emitter saturation voltage -0.5 V Ic/IB=-50mA/-5mA VCE(sat) DC current transfer ratio 120 560 VCF=-6V. IC=-1mA hee Transition frequency fт 140 MHz Vce=-12V, Ie=2mA, f=100MHz \* Output capacitance VCE=-12V, IE=0A, f=1MHz Cob 5 4 pF \*Transition frequency of the device.

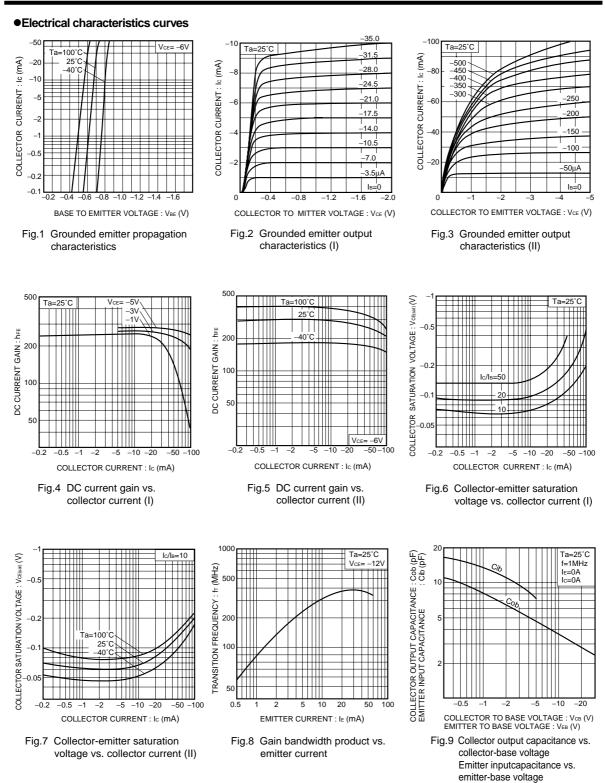
•Electrical characteristics (Ta=25°C)

manalition nequency of the device.

• External dimensions (Unit : mm)



### Transistors



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