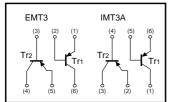
General purpose (dual transistors) EMT3 / IMT3A

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

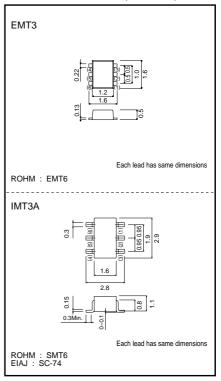
Туре	EMT3	IMT3A	
Package	EMT6	SMT6	
Marking	T3	Т3	
Code	T2R	T108	
Basic ordering unit (pieces)	8000	3000	

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.

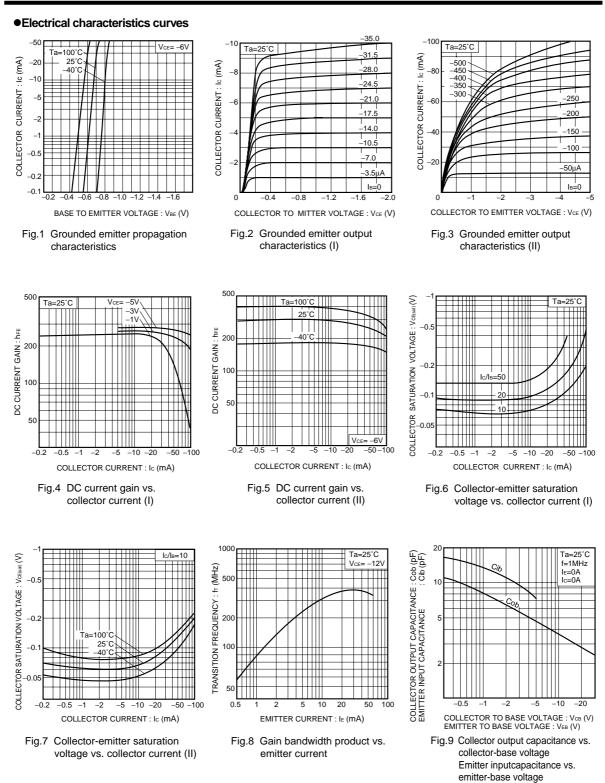
•Electrical characteristics (Ta=25°C)

manalition nequency of the device.

• External dimensions (Unit : mm)



Transistors



ROHM

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