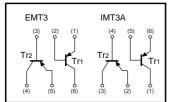
General purpose (dual transistors) EMT3 / IMT3A

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

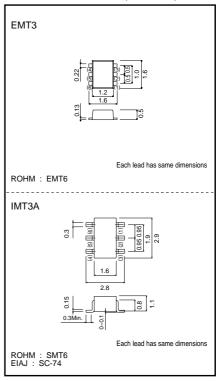
Туре	EMT3	IMT3A	
Package	EMT6	SMT6	
Marking	T3	Т3	
Code	T2R	T108	
Basic ordering unit (pieces)	8000	3000	

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.

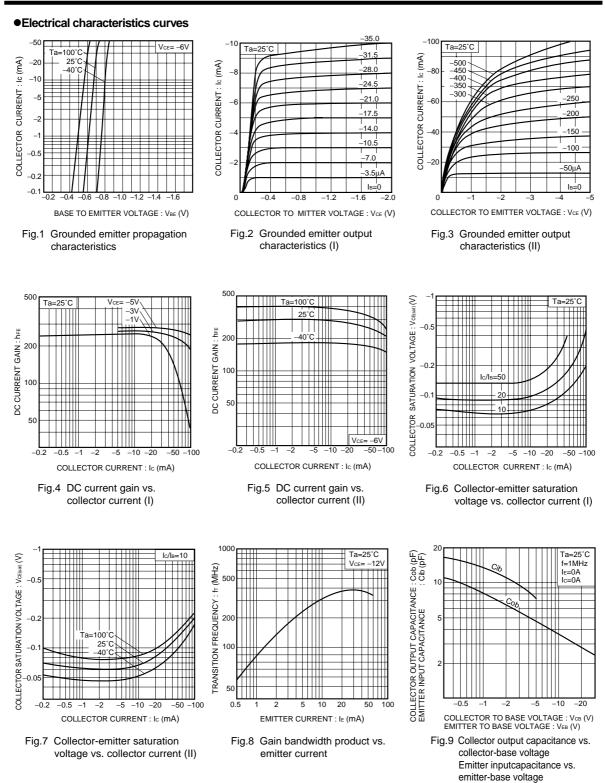
•Electrical characteristics (Ta=25°C)

manalition nequency of the device.

• External dimensions (Unit : mm)



Transistors



ROHM

Notes

- No technical content pages of this document may be reproduced in any form or transmitted by any means without prior permission of ROHM CO.,LTD.
- The contents described herein are subject to change without notice. The specifications for the product described in this document are for reference only. Upon actual use, therefore, please request that specifications to be separately delivered.
- Application circuit diagrams and circuit constants contained herein are shown as examples of standard use and operation. Please pay careful attention to the peripheral conditions when designing circuits and deciding upon circuit constants in the set.
- Any data, including, but not limited to application circuit diagrams information, described herein are intended only as illustrations of such devices and not as the specifications for such devices. ROHM CO.,LTD. disclaims any warranty that any use of such devices shall be free from infringement of any third party's intellectual property rights or other proprietary rights, and further, assumes no liability of whatsoever nature in the event of any such infringement, or arising from or connected with or related to the use of such devices.
- Upon the sale of any such devices, other than for buyer's right to use such devices itself, resell or otherwise dispose of the same, no express or implied right or license to practice or commercially exploit any intellectual property rights or other proprietary rights owned or controlled by
- ROHM CO., LTD. is granted to any such buyer.
- Products listed in this document are no antiradiation design.

The products listed in this document are designed to be used with ordinary electronic equipment or devices (such as audio visual equipment, office-automation equipment, communications devices, electrical appliances and electronic toys).

Should you intend to use these products with equipment or devices which require an extremely high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), please be sure to consult with our sales representative in advance.

About Export Control Order in Japan

Products described herein are the objects of controlled goods in Annex 1 (Item 16) of Export Trade Control Order in Japan.

In case of export from Japan, please confirm if it applies to "objective" criteria or an "informed" (by MITI clause) on the basis of "catch all controls for Non-Proliferation of Weapons of Mass Destruction.

ROHM

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ROHM Semiconductor: EMT3T2R IMT3AT108