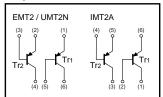
General purpose (dual transistors) EMT2/UMT2N/IMT2A

Features

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

Equivalent circuits



Absolute maximum ratings (Ta=25°C)

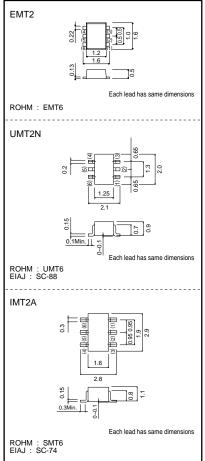
Parameter		Symbol	Limits	Unit	
Collector-base voltage		Vсво	-60	V	
Collector-emitter voltage		Vceo	-50	V	
Emitter-base voltage		Vebo	-6	V	
Collector current		lc	-150	mA	
Collector power dissipation	EMT2 / UMT2N	Pc	150(TOTAL)		
	IMT2A		300(TOTAL)		
Junction temperature		Tj	150	°C	
Storage temperature		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	EMT2	UMT2N	IMT2A
Package	EMT6	UMT6	SMT6
Marking	T2	T2	T2
Code	T2R	TR	T108
Basic ordering unit (pieces)	8000	3000	3000

•External dimensions (Unit : mm)



•Electrical characteristics (Ta=25°C)

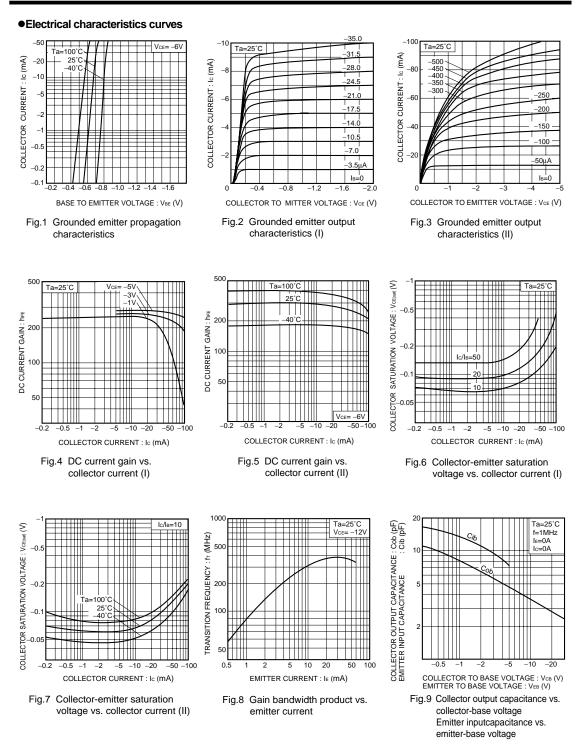
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	-60	-	-	V	Ic=-50μA
Collector-emitter breakdown voltage	BVCEO	-50	-	-	V	Ic=-1mA
Emitter-base breakdown voltage	ВУево	-6	-	-	V	Ιε=-50μΑ
Collector cutoff current	Ісво	-	-	-0.1	μA	Vcb=-60V
Emitter cutoff current	Іево	-	-	-0.1	μA	VEB=-6V
Collector-emitter saturation voltage	VCE(sat)	-	-	-0.5	V	Ic/IB=-50mA/-5mA
DC current transfer ratio	hfe	120	-	560	-	Vce=-6V, Ic=-1mA
Transition frequency	fr	-	140	-	MHz	Vce=-12V, Ie=2mA, f=100MHz *
Output capacitance	Cob	-	4	5	pF	Vce=-12V, Ie=0A, f=1MHz

ansition frequency of the device.



EMT2 / UMT2N / IMT2A

Transistors



ROHM

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