

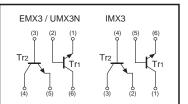
General purpose (dual transistors)

EMX3 / UMX3N / IMX3

Features

Two 2SC2412AK chips in a EMT or UMT or SMT package.

Inner circuits



Package, marking, and packaging specifications

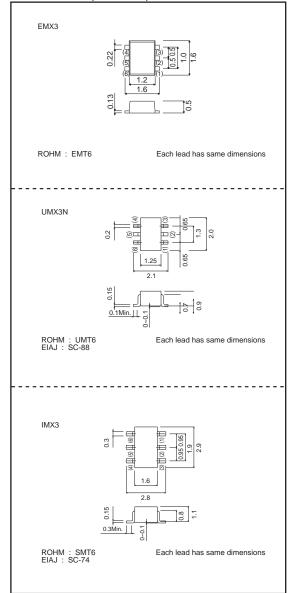
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Туре	EMX3	UMX3N	IMX3
Package	EMT6	UMT6	SMT6
Marking	Х3	Х3	Х3
Code	T2R	TR	T108
Basic ordering unit (pieces)	8000	3000	3000

• Absolute maximum ratings (Ta=25°C)

Parameter		Symbol	Limits	Unit	
Collector-base vo	oltage	V _{сво}	60	V	
Collector-emitter	voltage	Vceo	50	V	
Emitter-base volt	age	Vebo	7	V	
Collector current		lc	150	mA	
Collector power	EEMX3 / UMX3N	D	150(TOTAL)	*1	
dissipation	IMX3	Pc	300(TOTAL)	mW *2	
Junction tempera	ture	Tj	150	°C	
Storage temperat	ture	Tstg	-55 to +150	°C	

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

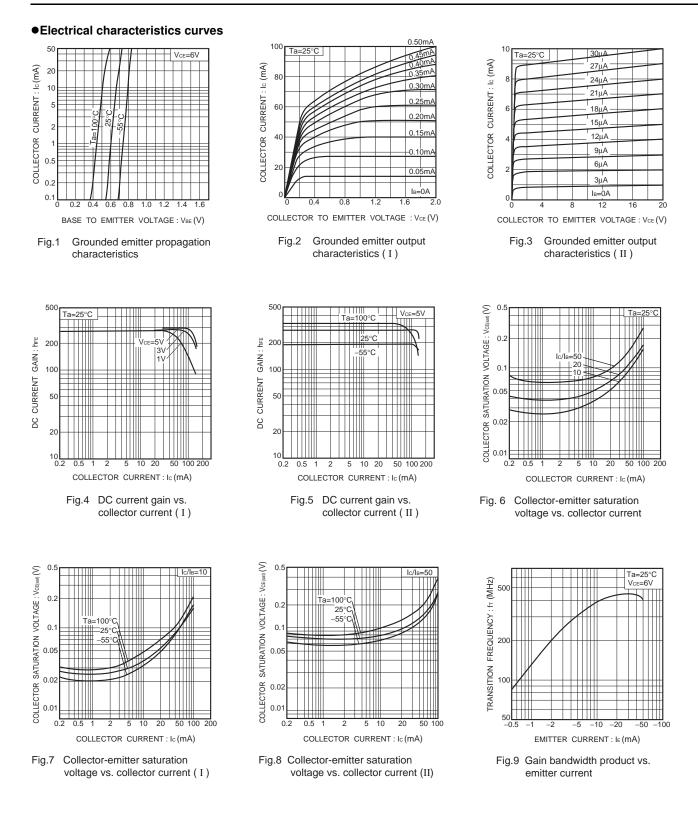
•Dimensions (Unit : mm)

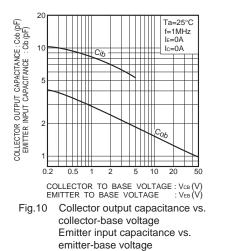


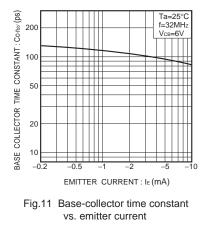
•Electrical characteristics (Ta=25°C)

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	7	-	-	V	Ιε=50μΑ
Collector cutoff current	Ісво	-	-	0.1	μΑ	Vcb=60V
Emitter cutoff current	Іево	-	-	0.1	μΑ	VEB=7V
Collector-emitter saturation voltage	Vce(sat)	-	-	0.4	V	Ic/IB=50mA/5mA
DC current transfer ratio	hfe	120	-	560	-	Vce=6V, Ic=1mA
Transition frequency	fт	-	180	-	MHz	Vce=12V, Ie=-2mA, f=100MHz *
Output capacitance	Cob	-	2	3.5	pF	Vcb=12V, IE=0mA, f=1MHz

Transition frequency of the device.







	Notes
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