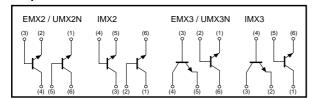
General purpose (dual transistors)

EMX2 / EMX3 / UMX2N / UMX3N / IMX2 / IMX3

Features

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

Equivalent circuits



● Absolute maximum ratings (Ta=25°C)

	Symbol	Limits	Unit		
Collector-base voltage		Vсво	60	V	
Collector-emitter voltage		Vceo	50	V	
Emitter-base voltage		VEBO	7	V	
Collector current		lc	150	mA	
Collector power dissipation	EMX2 / EMX3 / UMX2N / UMX3N	Pc	150(TOTAL)	*1 mW *2	
	IMX2 / IMX3	PC	300(TOTAL)		
Junction temperature		Tj	150	°C	
Storage temperature		Tstg	-55~+150	°C	

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

● Electrical characteristics (Ta=25°C)

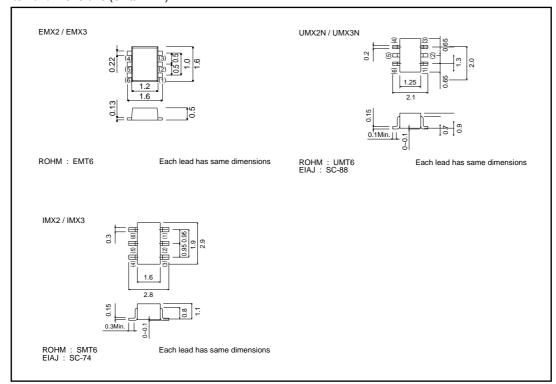
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	60	-	-	V	Ic=50μA
Collector-emitter breakdown voltage	BVceo	50	-	_	V	Ic=1mA
Emitter-base breakdown voltage	ВУево	7	-	-	V	Iε=50μA
Collector cutoff current	Ісво	_	-	0.1	μΑ	Vcb=60V
Emitter cutoff current	ІЕВО	_	-	0.1	μΑ	V _{EB} =7V
Collector-emitter saturation voltage	VCE(sat)	_	-	0.4	V	Ic/I _B =50mA/5mA
DC current transfer ratio	hre	120	-	560	-	VcE=6V, Ic=1mA
Transition frequency	f⊤	_	180	_	MHz	VcE=12V, IE=-2mA, f=100MHz *
Output capacitance	Cob	_	2	3.5	pF	Vcb=12V, Ie=0mA, f=1kHz

^{*}Transition frequency of the device

Package, marking, and packaging specifications

Т	уре	EMX2	EMX3	UMX2N	UMX3N	IMX2	IMX3	
Pad	kage	EMT6	EMT6	UMT6	UMT6	SMT6	SMT6	
Ma	rking	X2	Х3	X2	Х3	X2	Х3	
C	ode	T2R	T2R	TR	TR	T108	T108	
Basic orderir	a unit (pieces)	8000	8000	3000	3000	3000	3000	Ī

●External dimensions (Units : mm)



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