EMX26

Transistors

General purpose transistors (dual transistors) **EMX26**

Features

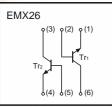
- 1) Two 2SD2654 chips in a EMT package.
- 2) Mounting possible with EMT3 automatic mounting machines.
- 3) Transistor elements are independent, eliminating interference.
- 4) Mounting cost and area can be cut in half.

Structure

Epitaxial planar type NPN silicon transistor

The following characteristics apply to both Tr1 and Tr2.

Equivalent circuit



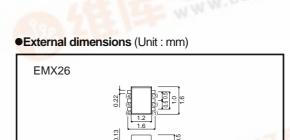
Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit	
Collector-base voltage	Vсво	60	V	
Collector-emitter voltage	Vceo	50	V	
Emitter-base voltage	Vebo	12	V	
Collector current	lc	0.15	A (DC)	
	IC	0.2	A (Pulse) *1	
Power dissipation	Pd	150 (TOTAL)	mW *2	
Junction temperature	Тј	150	°C	
Storage temperature	Tstg	-55 to +150	°C	

*1 Single pulse Pw=100ms. *2 120mW per element must not be exceeded.







Each lead has same dimensions DISC ROHM : EMT6 Abbreviated symbol : X26

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•Electrical characteristics (Ta=25°C)

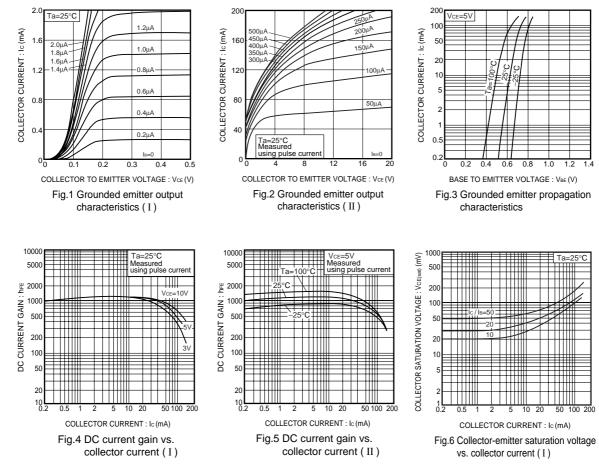
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions	
Collector-base breakdown voltage	ВУсво	60	-	-	V	Ic=10μA	
Collector-emitter breakdown voltage	BVCEO	50	-	-	V	Ic=1mA	
Emitter-base breakdown voltage	ВУево	12	-	-	V	Iε=10μA	
Collector cutoff current	Ісво	-	-	0.3	μΑ	Vcb=50V	
Emitter cutoff current	Іево	-	-	0.3	μΑ	VEB=12V	
Collector-emitter saturation voltage	VCE(sat)	-	-	0.3	V	Ic/IB=50mA/5mA	*
DC current transfer ratio	hfe	820	-	2700	-	Vce/lc=5V/1mA	*
Transition frequency	fт	-	250	-	MHz	Vce=5V, Ie=-10mA, f=100MHz	*
Output capacitance	Cob	-	3.5	*	pF	Vсв=5V, IE=0A, f=1MHz	

* Measured using pulse current.

Packaging specifications

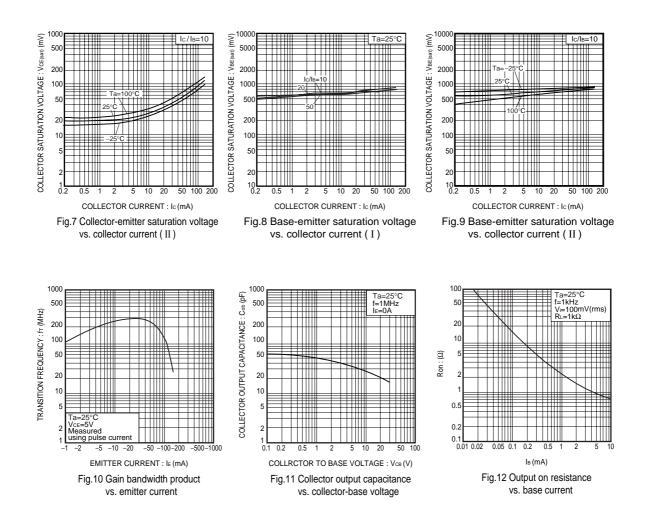
	Package	Taping
	Code	T2R
Туре	Basic ordering unit (pieces)	8000
EMX26		0

•Electrical characteristic curves



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Appendix

Notes

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