General purpose (dual transistors)

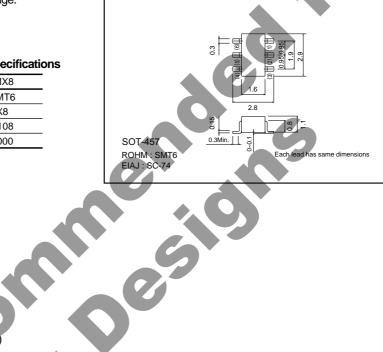
Features

- 1) Two 2SC3906K chips in an SMT package.
- 2) High breakdown voltage.

•Package, marking, and packaging specifications

Part No.	IMX8
Package	SMT6
Marking	X8
Code	T108
Basic ordering unit (pieces)	3000

•External dimensions (Unit : mm)



Equivalent circuit



•Absolute maximum ratings (Ta=25°

Parameter	Symbol	Limits	Unit			
Collector-base voltage	Vсво	120	V			
Collector-emitter voltage	VCEO	120	V			
Emitter-base voltage	Vebo	5	V			
Collector current	lc lc	50	mA			
Power dissipation	Pc	300(TOTAL)	mW *			
Junction temperature	Тј	150	۵°			
Storage temperature	Tstg	-55 to +150	۵°			

200mW per element must not be exceeded.

•Electrical characteristics (Ta=25°C)

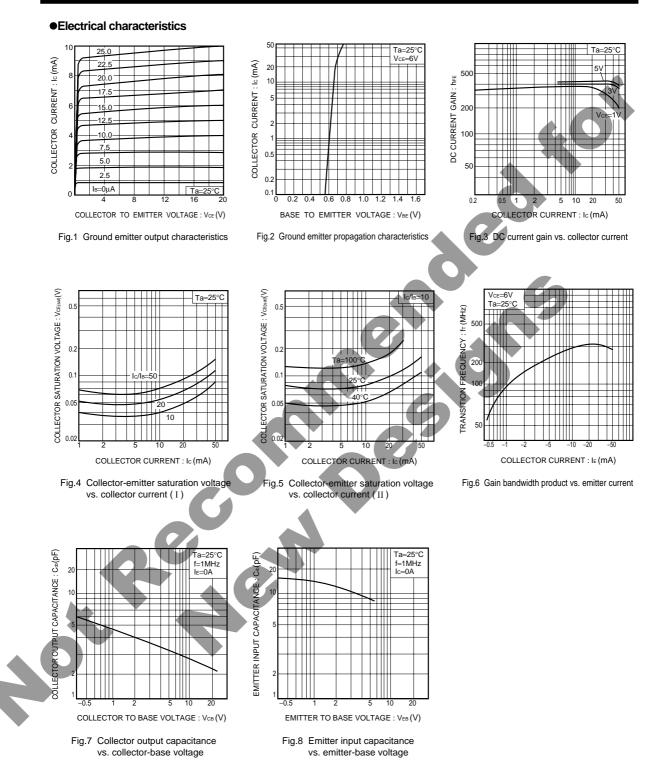
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions	
Collector-base breakdown voltage	ВУсво	120	-	-	V	Ic=50μA	
Collector-emitter breakdown voltage	BVCEO	120	-	-	V	Ic=1mA	
Emitter-base breakdown voltage	ВVево	5	-	-	V	Ιε=50μΑ	
Collector cutoff current	Ісво	-	-	0.5	μΑ	Vcb=100V	
Emitter cutoff current	Іево	-	-	0.5	μA	VEB=4V	
DC current transfer ratio	hfe	180	-	820	-	Vce=6V, Ic=2mA	
Transition frequency	f⊤	-	140	-	MHz	Vce=12V, Ie=-2mA, f=100MHz	*
Collector-emitter saturation voltage	VCE(sat)	-	-	0.5	V	Ic/IB=10mA/1mA	

*Transition frequency of the device



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Transistors



ROHM

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