imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

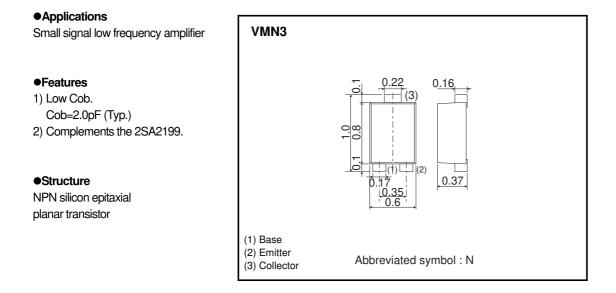


Contact us

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Small signal low frequency amplifier (50V, 100mA) 2SC6114



•Dimensions (Unit : mm)

Absolute maximum (Ta=25°C)

Parameter	Symbol	Limits	Unit	
Collector-base voltage	Vсво	50	V	
Collector-emitter voltage	VCEO	50	V	
Emitter-base voltage	VEBO	5	V	
Collector current	lc	100	mA	
Collector current	Icp *1	200		
Power dissipation	P _D *2	150	mW	
Junction temperature	Tj	150	°C	
Range of storage temperature	Tstg	-55 to +150	°C	

*1 Pw=1ms Single pulse *2 Each terminal mounted on a recommended land



Transistors

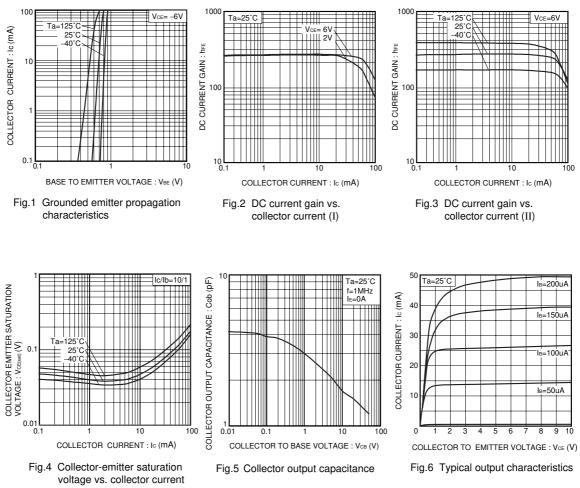
•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-emitter breakdown voltage	BVCEO	50	_	-	V	Ic=1mA
Collector-base breakdown voltage	ВVсво	50	-	-	V	Ic=50μA
Emitter-base breakdown voltage	BVEBO	5	-	-	V	Ιε=50μA
Collector cutoff current	Ісво	-	_	0.1	μA	Vcb=50V
Emitter cutoff current	Іево	-	_	0.1	μA	Veb=5V
Collector-emitter saturation voltage	VCE(sat)	-	_	0.3	V	Ic/IB=25mA/2.5mA
DC current gain	hfe	120	-	390	-	Vce=6V, Ic=2mA
Transition frequency	f⊤	_	130	_	MHz	Vce=10V, Ie=-1mA, f=100MHz
Output capacitance	Cob	_	1.0	_	pF	Vce=10V, Ie=0A, f=1MHz

hfe RANK

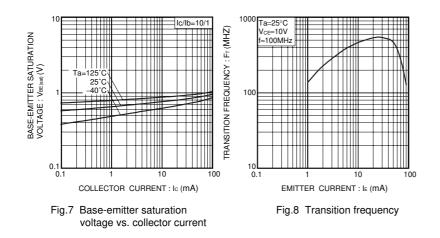
Rank	Q	R
hfe	120 to 270	180 to 390

•Electrical characterristic curves



ROHM

Transistors



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Appendix1-Rev2.0

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