

General Purpose Transistor (50V, 0.15A)

2SA1774EB

Applications

General purpose small signal amplifier.

Features

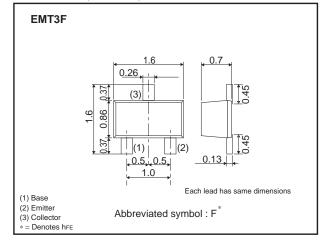
1) Excellent hre linearity.

2) Complements the 2SC4617EB.

Structure

PNP silicon epitaxial. planar transistor.

Dimensions (Unit : mm)



•Absolute maximum (Ta=25°C)

Parameter	Symbol	Limits	Unit	
Collector-base voltage	Vсво	-60	V	
Collector-emitter voltage	Vceo	-50	V	
Emitter-base voltage	Vebo	-6	V	
	lc	-150	0	
Collector current	ICP *1	-200	mA	
Power dissipation	Po *2	150	mW	
Junction temperature	Tj	150	°C	
Range of storage temperature	Tstg	-55 to +150	٥C	

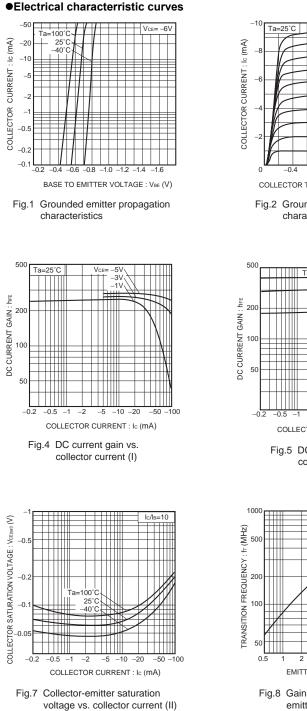
*1 Pw=1ms Single pulse *2 Each terminal mounted on a recommended land

•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	ВУсво	-60	-	-	V	Ic=-50μA
Emitter-base breakdown voltage	BVEBO	-6	-	-	V	Ιε=-50μΑ
Collector cutoff current	Ісво	-	-	-100	nA	Vcb=-60V
Emitter cutoff current	Іево	-	-	-100	nA	VEB=-6V
Collector-emitter saturation voltage	VCE(sat)	-	-	-0.5	V	Ic/IB=-50mA/-5mA
DC current gain	hfe	120	-	390	-	Vce=-6V, Ic=-1mA
Transition frequency	f⊤	-	140	-	MHz	Vce=-12V, Ie=2mA, f=100MHz
Output capacitance	Cob	-	4.0	5.0	pF	Vce=-12V, Ie=0A, f=1MHz

hFE rank categories

Rank	Q	R
hfe	120 to 270	180 to 390



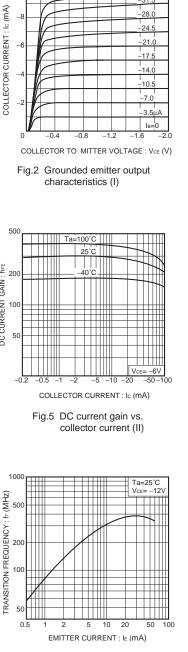
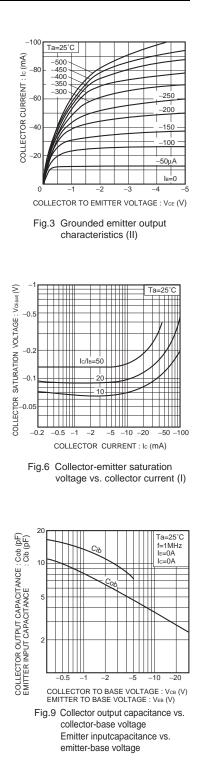


Fig.8 Gain bandwidth product vs. emitter current



	copying or reproduction of this document, in part or in whole, is permitted without the sent of ROHM Co.,Ltd.
The	content specified herein is subject to change for improvement without notice.
"Pr	e content specified herein is for the purpose of introducing ROHM's products (hereinafter oducts"). If you wish to use any such Product, please be sure to refer to the specifications, ch can be obtained from ROHM upon request.
illus	imples of application circuits, circuit constants and any other information contained herein strate the standard usage and operations of the Products. The peripheral conditions must taken into account when designing circuits for mass production.
Но	eat care was taken in ensuring the accuracy of the information specified in this document. wever, should you incur any damage arising from any inaccuracy or misprint of such prmation, ROHM shall bear no responsibility for such damage.
exa imp oth	e technical information specified herein is intended only to show the typical functions of and mples of application circuits for the Products. ROHM does not grant you, explicitly or ilicitly, any license to use or exercise intellectual property or other rights held by ROHM and er parties. ROHM shall bear no responsibility whatsoever for any dispute arising from the of such technical information.
equ	Products specified in this document are intended to be used with general-use electronic ipment or devices (such as audio visual equipment, office-automation equipment, commu- ation devices, electronic appliances and amusement devices).
The	Products specified in this document are not designed to be radiation tolerant.
	ile ROHM always makes efforts to enhance the quality and reliability of its Products, a duct may fail or malfunction for a variety of reasons.
aga faili sha	ase be sure to implement in your equipment using the Products safety measures to guard inst the possibility of physical injury, fire or any other damage caused in the event of the ure of any Product, such as derating, redundancy, fire control and fail-safe designs. ROHM II bear no responsibility whatsoever for your use of any Product outside of the prescribed up or not in accordance with the instruction manual.
sys ma ins fue any	e Products are not designed or manufactured to be used with any equipment, device or tem which requires an extremely high level of reliability the failure or malfunction of which y result in a direct threat to human life or create a risk of human injury (such as a medical trument, transportation equipment, aerospace machinery, nuclear-reactor controller, -controller or other safety device). ROHM shall bear no responsibility in any way for use of of the Products for the above special purposes. If a Product is intended to be used for any h special purpose, please contact a ROHM sales representative before purchasing.
be	ou intend to export or ship overseas any Product or technology specified herein that may controlled under the Foreign Exchange and the Foreign Trade Law, you will be required to ain a license or permit under the Law.



Thank you for your accessing to ROHM product informations. More detail product informations and catalogs are available, please contact us.

ROHM Customer Support System

http://www.rohm.com/contact/

Downloaded from Elcodis.com electronic components distributor