imall

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Transistors with Built-in Resistor DRA9115G0L

DRA9115G0L

Silicon PNP epitaxial planar type

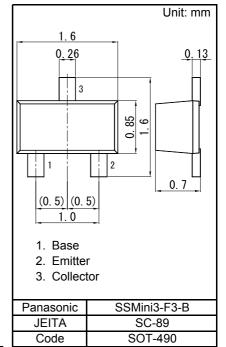
For digital circuits Complementary to DRC9115G DRA5115G in SSMini3 type package

Features

- · Low collector-emitter saturation voltage Vce(sat)
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: LX

Packaging

Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)



Internal Connection						
в о R ₂		——⊙C →——⊙E				
Resistance	R2	100	kΩ			

■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit	
Collector-base voltage (Emitter open)	VCBO	-50	V	
Collector-emitter voltage (Base open)	VCEO	-50	V	
Collector current	IC	-100	mA	
Total power dissipation	PT	125	mW	
Junction temperature	Tj	150	°C	
Operating ambient temperature	Topr	-40 to +85	°C	
Storage temperature	Tstg	-55 to +150	С°	

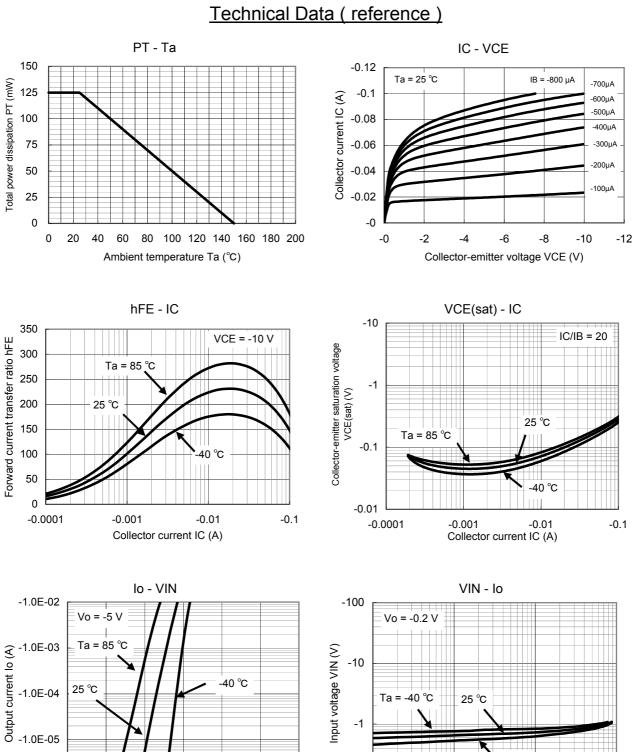
Electrical Characteristics	Ta = 25 °C ± 3 °C
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Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	VCBO	IC = -10 μA, IE = 0	-50			V
Collector-emitter voltage (Base open)	VCEO	IC = -2 mA, IB = 0	-50			V
Collector-base cutoff current (Emitter open)	ICBO	VCB = -50 V, IE = 0			-0.1	μA
Collector-emitter cutoff current (Base open)	ICEO	VCE = -50 V, IB = 0			-0.5	μA
Emitter-base cutoff current (Collector open)	IEBO	VEB = -6 V, IC = 0			-0.1	mA
Forward current transfer ratio	hFE	VCE = -10 V, IC = -5 mA	80			-
Collector-emitter saturation voltage	VCE(sat)	IC = -10 mA, IB = -0.5 mA			-0.25	V
Input voltago	Vi(on)	VCE = -0.2 V, IC = -5 mA	-0.9			V
Input voltage	Vi(off)	VCE = -5 V, IC = -100 μA			-0.4	V
Between emitter base resistance	R2		-30%	100	+30%	kΩ

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 Measuring methods for transistors.

Panasonic

Transistors with Built-in Resistor DRA9115G0L



-0.1

-1.5

-0.0001

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-0.1

85 °C

Output current Io (A)

-0.01

-0.001

Established : 2010-03-26 Revised : 2014-02-27

-1.0E-06

-0

-0.5

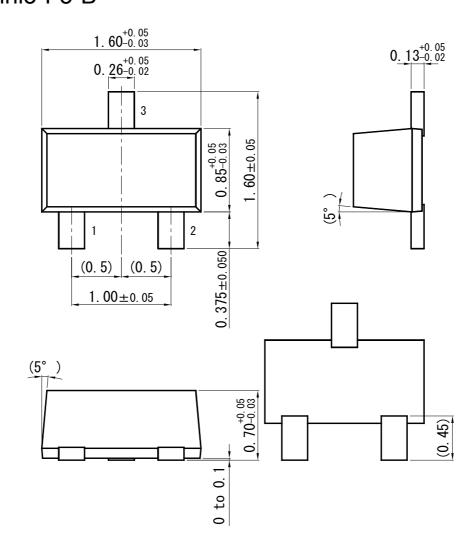
Input voltage VIN (V)

-1

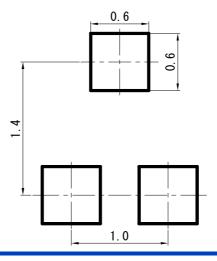


Transistors with Built-in Resistor DRA9115G0L

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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SSMini3-F3-B

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