imall

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Panasonic

Transistors with Built-in Resistor DRA3115G0L

DRA3115G0L

Silicon PNP epitaxial planar type

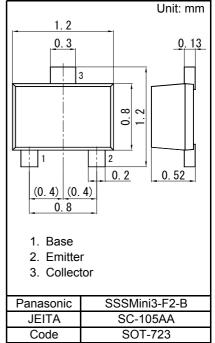
For digital circuits Complementary to DRC3115G DRA9115G in SSSMini3 type package

Features

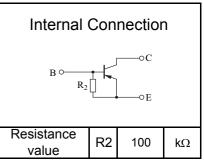
- Low collector-emitter saturation voltage Vce(sat)
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: LX

Packaging

Embossed type (Thermo-compression sealing) : 10 000 pcs / reel (standard)



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	100	mW
Junction temperature	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C



■ Electrical Characteristics Ta = 25 °C ± 3 °C

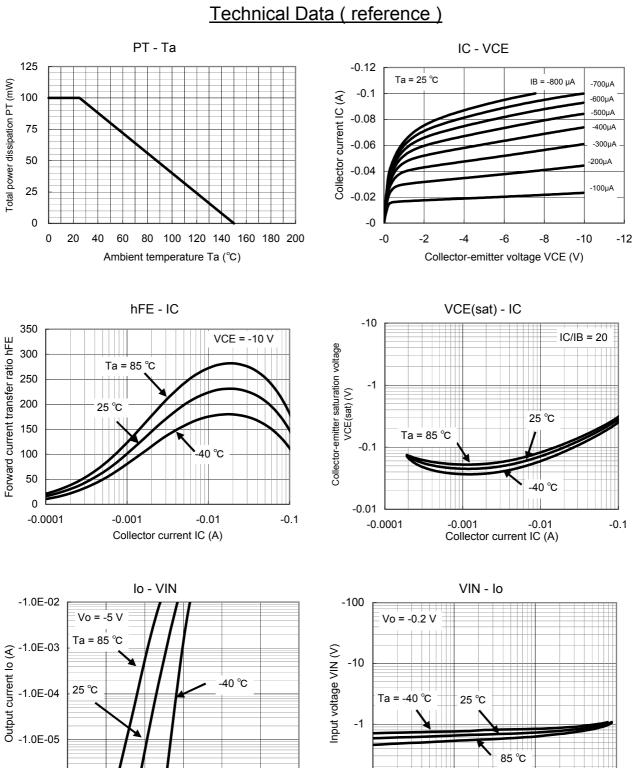
Absolute Maximum Ratings Ta = 25 °C

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 voltage	Vi(on)	VCE = -0.2 V, IC = -5 mA	-0.9			V		
	Vi(off)	VCE = -5 V, IC = -100 μA			-0.4	V		
Input 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 DRA3115G0L



-1.0E-06

-0

-0.5

Input voltage VIN (V)

-1



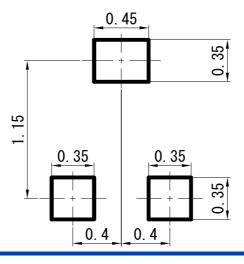
SSSMini3-F2-B

Transistors with Built-in Resistor DRA3115G0L

Unit: mm

1.20 ± 0.05 0.13-0.02 **0. 30**^{+0. 05} 0. 02 3 0.80±0.05 1.20 ± 0.05 20 2 1 **0. 20**+0. 05 -0. 02 0.20 ± 0.05 (0.4) (0.4) 0.80 ± 0.05 (5°) 27) 52 ± 0.03 ġ o' 0 to 0.05

Land Pattern (Reference) (Unit: mm)



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Established : 2009-10-23 Revised : 2014-02-07

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