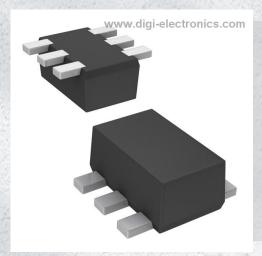


UP04112G0L Datasheet



https://www.DiGi-Electronics.com

DiGi Electronics Part Number UP04112G0L-DG

Manufacturer Panasonic Electronic Components

Manufacturer Product Number UP04112G0L

Description TRANS PREBIAS DUAL PNP SSMINI5

Detailed Description Pre-Biased Bipolar Transistor (BJT) 2 PNP - Pre-Bias ed (Dual) 50V 100mA 80MHz 125mW Surface Moun

t SSMini6-F2



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RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.



Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
UP04112G0L	Panasonic Electronic Components
Series:	Product Status:
	Obsolete
Transistor Type:	Current - Collector (Ic) (Max):
2 PNP - Pre-Biased (Dual)	100mA
Voltage - Collector Emitter Breakdown (Max):	Resistor - Base (R1):
50V	22kOhms
Resistor - Emitter Base (R2):	DC Current Gain (hFE) (Min) @ Ic, Vce:
22kOhms	60 @ 5mA, 10V
Vce Saturation (Max) @ lb, lc:	Current - Collector Cutoff (Max):
250mV @ 300μA, 10mA	500nA
Frequency - Transition:	Power - Max:
80MHz	125mW
Mounting Type:	Package / Case:
Surface Mount	SOT-563, SOT-666
Supplier Device Package:	Base Product Number:
SSMini6-F2	UP0411

Environmental & Export classification

8541.21.0095

Moisture Sensitivity Level (MSL):	ECCN:
1 (Unlimited)	EAR99
HTSUS:	

UP04112G

Silicon PNP epitaxial planar type

For digital circuits

■ Features

- Two elements incorporated into one package (Transistors with built-in resistor)
- SSMini type package, reduction of the mounting area and assembly cost

■ Basic Part Number

• UNR2112 × 2

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Collector-base voltage (Emitter open)	V_{CBO}	-50	V	
Collector-emitter voltage (Base open)	V _{CEO}	-50	V	
Collector current	I_{C}	-100	mA	
Total power dissipation	P _T	125	mW	
Junction temperature	T _j	125	°C	
Storage temperature	T _{stg}	-55 to +125	°C	

■ Package

Code

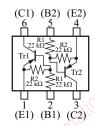
SSMini6-F2

Pin Name

1: Emitter (Tr1) 4: Emitter (Tr2) 2: Base (Tr1) 5: Base (Tr2) 3: Collector (Tr2) 6: Collector (Tr1)

■ Marking Symbol: 6R

■ Internal Connection

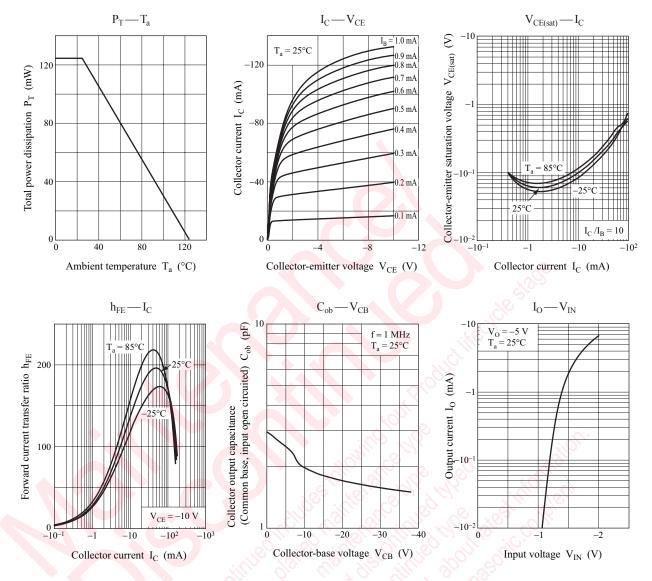


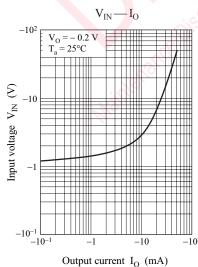
■ Electrical Characteristics $T_a = 25$ °C±3°C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	V_{CBO}	$I_{\rm C} = -10 \mu \text{A}, I_{\rm E} = 0$	-50			V
Collector-emitter voltage (Base open)	V_{CEO}	$I_C = -2 \text{ mA}, I_B = 0$	-50			V
Collector-base cutoff current (Emitter open)	I_{CBO}	$V_{CB} = -50 \text{ V}, I_{E} = 0$			-0.1	μΑ
Collector-emitter cutoff current (Base open)	I _{CEO}	$V_{CE} = -50 \text{ V}, I_{B} = 0$			-0.5	μΑ
Emitter-base cutoff current (Collector open)	I_{EBO}	$V_{EB} = -6 \text{ V}, I_C = 0$			-0.2	mA
Forward current transfer ratio	h_{FE}	$V_{CE} = -10 \text{ V}, I_{C} = -5 \text{ mA}$	60			_
Collector-emitter saturation voltage	V _{CE(sat)}	$I_C = -10 \text{ mA}, I_B = -0.3 \text{ mA}$			-0.25	V
Output voltage high-level	V _{OH}	$V_{CC} = -5 \text{ V}, V_{B} = -0.5 \text{ V}, R_{L} = 1 \text{ k}\Omega$	-4.9			V
Output voltage low-level	V _{OL}	$V_{CC} = -5 \text{ V}, V_{B} = -2.5 \text{ V}, R_{L} = 1 \text{ k}\Omega$			-0.2	V
Input resistance	R ₁		-30%	22	+30%	kΩ
Resistance ratio	R_1/R_2		0.8	1.0	1.2	_
Transition frequency	f_T	$V_{CB} = -10 \text{ V}, I_E = 1 \text{ mA}, f = 200 \text{ MHz}$		80		MHz

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

UP04112G Panasonic

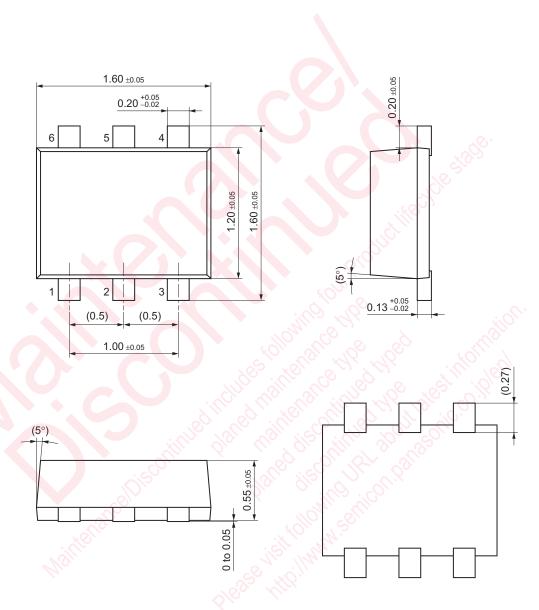




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Panasonic UP04112G

SSMini6-F2 Unit: mm



SJJ00355AED 3

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