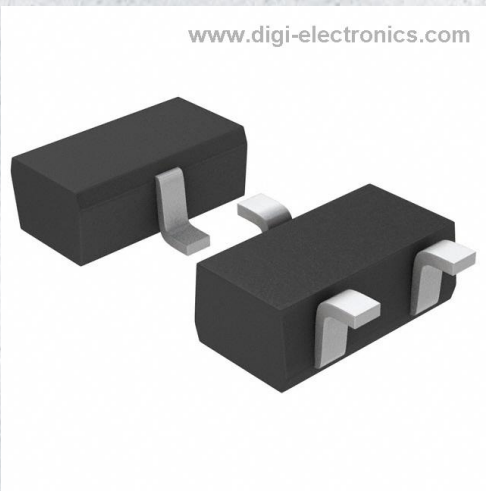
2SC6036G0L Datasheet



https://www.DiGi-Electronics.com

DiGi Electronics Part Number	2SC6036G0L-DG
Manufacturer	Panasonic Electronic Components
Manufacturer Product Number	2SC6036G0L
Description	TRANS NPN 12V 0.5A SSSMINI3
Detailed Description	Bipolar (BJT) Transistor NPN 12 V 500 mA 200MHz 100 mW Surface Mount SSSMini3-F2

Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

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Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
2SC6036G0L	Panasonic Electronic Components
Series:	Product Status:
-	Obsolete
Transistor Type:	Current - Collector (Ic) (Max):
NPN	500 mA
Voltage - Collector Emitter Breakdown (Max):	Vce Saturation (Max) @ Ib, Ic:
12 V	250mV @ 10mA, 200mA
Current - Collector Cutoff (Max):	DC Current Gain (hFE) (Min) @ Ic, Vce:
100nA (ICBO)	270 @ 10mA, 2V
Power - Max:	Frequency - Transition:
100 mW	200MHz
Operating Temperature:	Mounting Type:
125°C (TJ)	Surface Mount
Package / Case:	Supplier Device Package:
SOT-723	SSSMini3-F2
Base Product Number:	
2SC6036	

Environmental & Export classification

Moisture Sensitivity Level (MSL):	ECCN:
1 (Unlimited)	EAR99
HTSUS:	
8541.21.0075	

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2SC6036G0L Panasonic Electronic Components TRANS NPN 12V 0.5A SSSMINI3
This product complies with the RoHS Directive (EU 2002/95/EC).

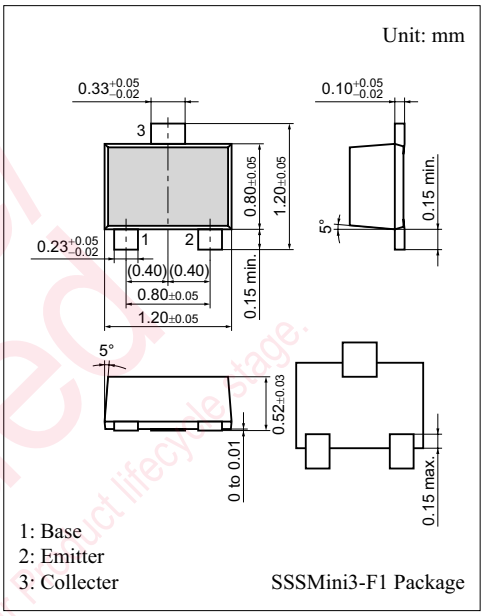
2SC6036

Silicon NPN epitaxial planar type

For general amplification
Complementary to 2SA2162

■ Features

- Low collector-emitter saturation voltage $V_{CE(sat)}$
- SSS-Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing



Marking Symbol : 4U

■ Absolute Maximum Ratings $T_a = 25°C$

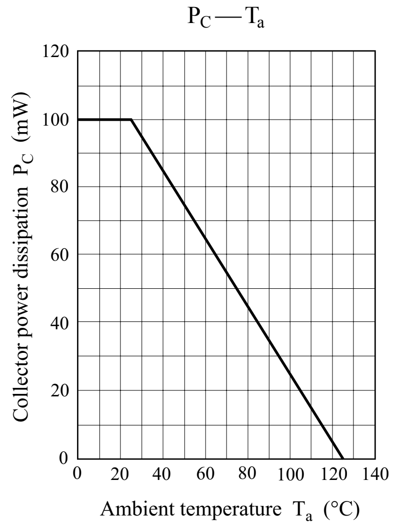
Parameter	Symbol	Rating	Unit
Collector-base voltage (Emitter open)	V_{CBO}	15	V
Collector-emitter voltage (Base open)	V_{CEO}	12	V
Emitter-base voltage (Collector open)	V_{EBO}	5	V
Collector current	I_C	500	mA
Peak collector current	I_{CP}	1	A
Collector power dissipation	P_C	100	mW
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	–55 to +125	°C

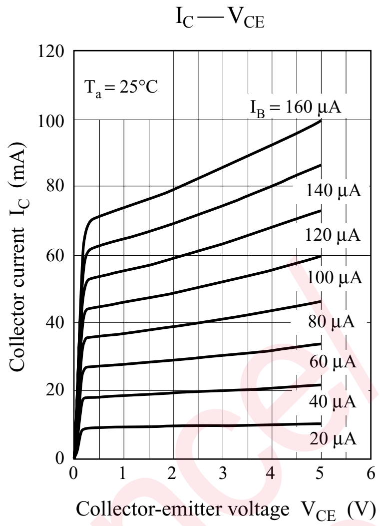
■ Electrical Characteristics $T_a = 25°C \pm 3°C$

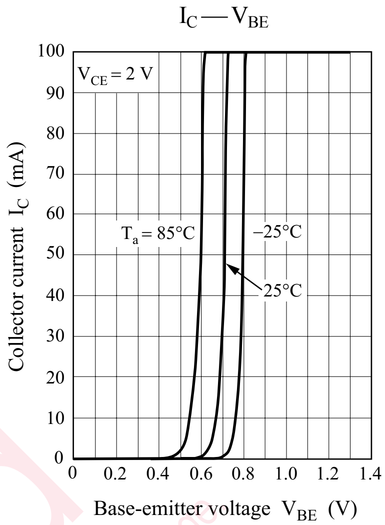
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Collector-base voltage (Emitter open)	V_{CBO}	$I_C = 10\ \mu A$, $I_E = 0$	15			V
Collector-emitter voltage (Base open)	V_{CEO}	$I_C = 1$ mA, $I_B = 0$	12			V
Emitter-base voltage (Collector open)	V_{EBO}	$I_E = 10\ \mu A$, $I_C = 0$	5			V
Collector-base cutoff current (Emitter open)	I_{CBO}	$V_{CB} = 10$ V, $I_E = 0$			0.1	μA
Forward current transfer ratio	h_{FE}	$V_{CE} = 2$ V, $I_C = 10$ mA	270		680	—
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = 200$ mA, $I_B = 10$ mA			250	mV
Transition frequency	f_T	$V_{CB} = 2$ V, $I_E = -10$ mA, f = 200 MHz		200		MHz
Collector output capacitance (Common base, input open circuited)	C_{ob}	$V_{CB} = 10$ V, f = 1 MHz		4.5		pF

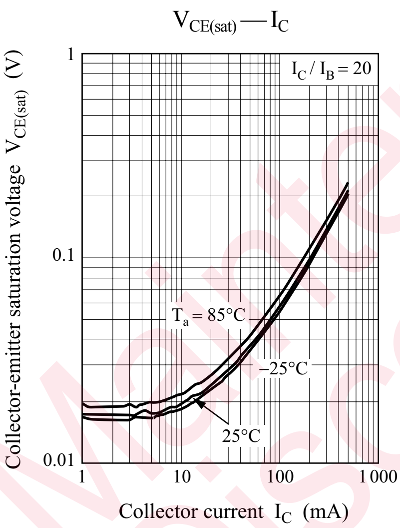
Note) Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

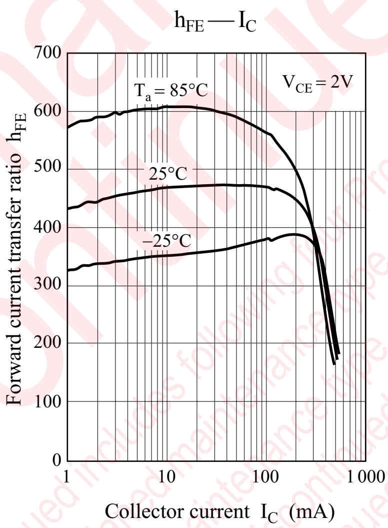
Maintenance/ Discontinued
Maintenance includes following four stages of product lifecycle stage.
Planned maintenance type
Planned discontinued type
Discontinued type
Please refer following URL about latest information.
http://www.semicon.panasonic.co.jp/en/

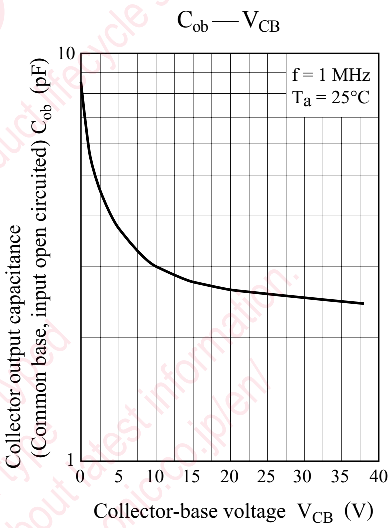












Maintenance/Discontinued
Maintenance/Discontinued includes following four Product lifecycle stage.
planed maintenance type
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planed discontinued typed
discontinued type
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