

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 (818) 701-4939 Fax:

2SC2412 2SC2412-Q 2SC2412-R 2SC2412-S

Features

- Power Dissipation: 0.2W (T_A=25°C)
- Collector Current: 0.15A
- Collector-base Voltage: 60V
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1 Maximum Ratings

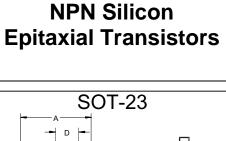
Symbol	Rating	Rating	Unit
V _{CEO}	Collector-Emitter Voltage	50	V
V _{CBO}	Collector-Base Voltage	60	V
V _{EBO}	Emitter-Base Voltage	7.0	V
I _C	Collector Current	0.15	A
Pc	Collector power dissipation	0.2	W
TJ	Junction Temperature	-55 to +150	°C
T _{STG} Storage Temperature		-55 to +150	°C

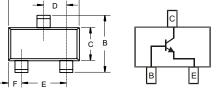
Electrical Characteristics @ 25°C Unless Otherwise Specified

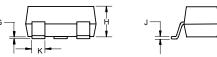
Symbol	Parameter	Min	Тур	Max	Units
OFF CHARA	ICTERISTICS				
V _{CEO}	Collector-Emitter Voltage (I _c =1.0mAdc, I _B =0)	50			Vdc
V _{CBO}	Collector-Base Voltage (I _c =50uAdc, I _E =0)	60			Vdc
V _{EBO}	Emitter-Base Voltage (I _E =50uAdc, I _C =0)	7.0			Vdc
I _{CBO}	Collector Cutoff Current (V _{CB} =60Vdc,I _E =0)			0.1	uAdc
I _{EBO}	Emitter Cutoff Current (V _{EB} =7.0Vdc, I _C =0)			0.1	uAdc
ON CHARA	CTERISTICS				
h _{FE}	DC Current Gain (I _c =1.0mAdc, V _{CE} =6.0Vdc)	120		560	
V _{CE(sat)}	Collector Saturation Voltage (I _c =50mAdc, I _B =5.0mAdc)			0.4	Vdc
f⊤	Transition Frequency (V _{CE} =12Vdc, I _C =2.0mAdc, f=100MHz)	150			MHz

CLASSIFICATION OF hFE

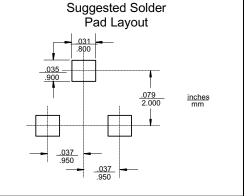
Rank	Q	R	S	
Range	120-270	180-390	270-560	
Marking	BQ	BR	BS	







DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.110	.120	2.80	3.04	
В	.083	.098	2.10	2.64	
С	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
Е	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
Н	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	



www.mccsemi.com





Ordering Information

Device	Packing		
(Part Number)-TP	Tape&Reel3Kpcs/Reel		

IMPORTANT NOTICE

Micro Commercial Components Corp . reserves the right to make changes without further notice to any product herein to make corrections, modifications , enhancements , improvements , or other changes .
Micro Commercial Components Corp . does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights ,nor the rights of others . The user of products in such applications shall assume all risks of such use and will agree to hold Micro Commercial Components Corp . and all the companies whose products are represented on our website, harmless against all damages.

APPLICATIONS DISCLAIMER

Products offer by Micro Commercial Components Corp. are not intended for use in Medical,

Aerospace or Military Applications.

www.mccsemi.com