

Micro Commercial Components

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

2SC2412K

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

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
Ic	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

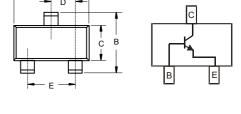
Electrical cilaracteristics @ 23 C Dilless Durchwise Shertilen						
Symbol	Parameter	Min	Тур	Max	Units	
OFF CHARA	OFF CHARACTERISTICS					
V _{CEO}	Collector-Emitter Voltage (I _c =1.0mAdc, I _B =0)	50			Vdc	
V _{CBO}	Collector-Base Voltage (I _c =50uAdc, I _E =0)	60			Vdc	
V _{EBO}	Emitter-Base Voltage (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 _T	Transition Frequency (V_{CE} =12Vdc, I _C =2.0mAdc, f=100MHz)	150			MHz	

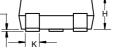
CLASSIFICATION OF hFE

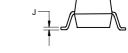
Rank	Q	R	S			
Range	120-270	180-390	270-560			
Marking	BQ	BR	BS			

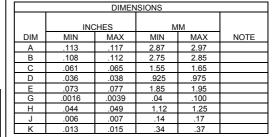
SOT-23-3L

NPN Silicon

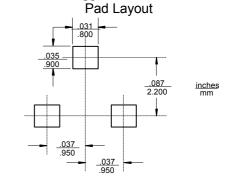








Suggested Solder



www.mccsemi.com



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