

Micro Commercial Components



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

Features

- Halogen free available upon request by adding suffix "-HF"
- SOT-23 Plastic-Encapsulate Transistors
- Capable of 0.2Watts(Tamb=25°C) of Power Dissipation.
- Collector-current 0.1A
- Collector-base Voltage 50V
- Operating and storage junction temperature range: -55°C to +150°C
- Marking : J6
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

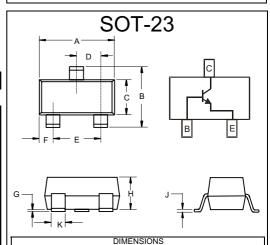
Symbol	Parameter	Min	Max	Units
OFF CHARA	CTERISTICS			
V _{(BR)CBO}	Collector-Base Breakdown Voltage	50		Vdc
•	(l _c =100µAdc, l _∈ =0)			
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	45		Vdc
	(l _c =0.1mAdc, l _B =0)			
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	5.0		Vdc
	(l ₌ =100µAdc, l _c =0)			
сво	Collector Cutoff Current		0.1	µAdc
	(V _{CB} =50Vdc, ⊧ =0)			
6EO	Collector Cutoff Current		0.1	µAdc
	(V _{CE} =35Vdc, _b =0)			-
I _{EBO}	Emitter Cutoff Current		0.1	µAdc
	(V _{EB} =3.0Vdc,			
ON CHARAC	TERISTICS			
$h_{FE(1)}$	DC Current Gain	200	1000	
	(L=1.0mAdc, V _{CE} =5.0Vdc)			
V _{CE(sat)}	Collector-Emitter Saturation Voltage		0.3	Vdc
	(l _c =100mAdc, l _B =5.0mAdc)			
V _{BE(sat)}	Base-Emitter Saturation Voltage		1.0	Vdc
(,	(l _c =100mAdc, l _B =5.0mAdc)			
SMALL-SIG	NAL CHARACTERISTICS			
f _T	Transistor Frequency	150		MHz
	(lc=10mAdc, V _{CE} =5.0Vdc, f=30MHz)			

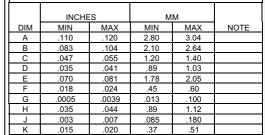
CLASSIFICATION OF hFE

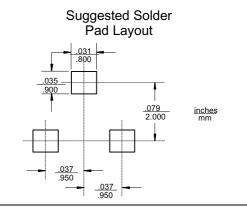
Rank	L	н		
Range	200~450	450~1000		

MMS9014-L MMS9014-H

NPN Silicon Plastic-Encapsulate Transistor







www.mccsemi.com



Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

*****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.

LIFE SUPPORT

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

CUSTOMER AWARENESS

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

www.mccsemi.com