

Micro Commercial Components 20736 Marilla Street Chatsworth

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MMS9014-L MMS9014-H

Features

- 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
- Case Material:Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units	
OFF CHARAC	ETERISTICS				
V _{(BR)CBO}	Collector-Base Breakdown Voltage 50 (b=100uAdc, l∈=0)				
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage 45 (b=0.1mAdc, b=0)				
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (E=100uAdc, I _C =0)	5.0		Vdc	
Сво	Collector Cutoff Current 0. $(V_{CB}=50Vdc, \not\models=0)$		0.1	uAdc	
PEO	Collector Cutoff Current (V _{CE} =35Vdc, \S =0)		0.1	uAdc	
l _{EBO}	Emitter Cutoff Current (V _{EB} =3.0Vdc, ξ =0)		0.1	uAdc	

ON CHARACTERISTICS

h _{FE(1)}	DC Current Gain	200	1000	
	(b=1.0mAdc, V _{cE} =5.0Vdc)			
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	0.3 Vdc		Vdc
. ,	(b=100mAdc, l _B =5.0mAdc)			
$V_{BE(sat)}$	Base-Emitter Saturation Voltage		1.0	Vdc
]	(l_c =100mAdc, l_B =5.0mAdc)			

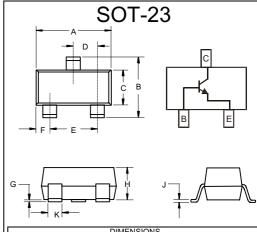
SMALL-SIGNAL CHARACTERISTICS

f _T	Transistor Frequency	150	 MHz
	(b=10mAdc, V _{ce} =5.0Vdc, f=30MHz)		

CLASSIFICATION OF HFE

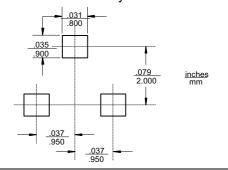
Rank	L	Н
Range	200~450	450~1000

NPN Silicon Plastic-Encapsulate Transistor



DIMENSIONS					
DIM	INCHES MIN	MAY	MM	MAY	NOTE
DIM	.110	.120	MIN 2.80	3.04	NOTE
Α					
В	.083	.098	2.10	2.64	
С	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
П	.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	

Suggested Solder Pad Layout





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Ordering Information

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

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