



Micro Commercial Components

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

Features

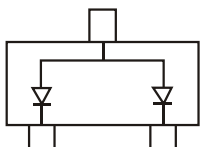
- Fast Switching Speed
- Operating and storage junction temperature range -65°C To 150°C
- Case Material: Molded Plastic. UL Flammability Classification Rating 94-0 and MSL Rating 1

Maximum Ratings

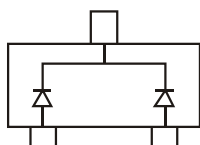
Symbol	Parameter	Rating	Unit
V _{BR}	Reverse Breakdown Voltage @ I _R =100uA	250	V
V _R	Continuous Reverse Voltage	200	V
V _{R(RMS)}	RMS Reverse Voltage	141	V
I _{FM}	Forward DC Current at Tamb=25°C	225	mA
R _{θJA}	Thermal Resistance Junction to Ambient Air	357	°C/W
P _d	Power Dissipation	350	mW
I _{FSM}	Non-Repetitive Peak Forward Surge Current @ t = 1.0μs @ t = 100μs	9.0 3.0	A

Electrical Characteristics @ 25°C Unless Otherwise Specified

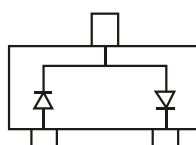
Symbol	Parameter	Min	Typ	Max	Units
V _F	Forward Voltage (I _F =100mA) (I _F =200mA)	---	---	1.00 1.25	V
I _R	Leakage Current (V _R =250V)	---	---	100	nA
C _{tot}	Capacitance (V _R =0, f=1.0MHz)	---	5	---	pF
t _{rr}	Reverse Recovery Time (I _F =30mA, I _R =30mA) (I _{RR} =3.0mA, R _L =100Ω)	---	---	50	ns



BAV23A Marking : KT7



BAV23C Marking : KT6



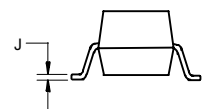
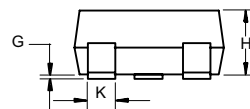
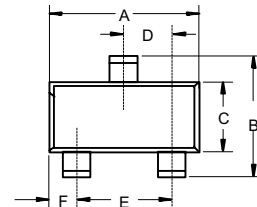
BAV23S Marking : KL31

BAV23/A/C/S

350mW

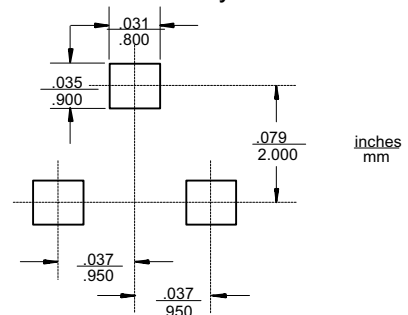
Small Signal Diode

SOT-23

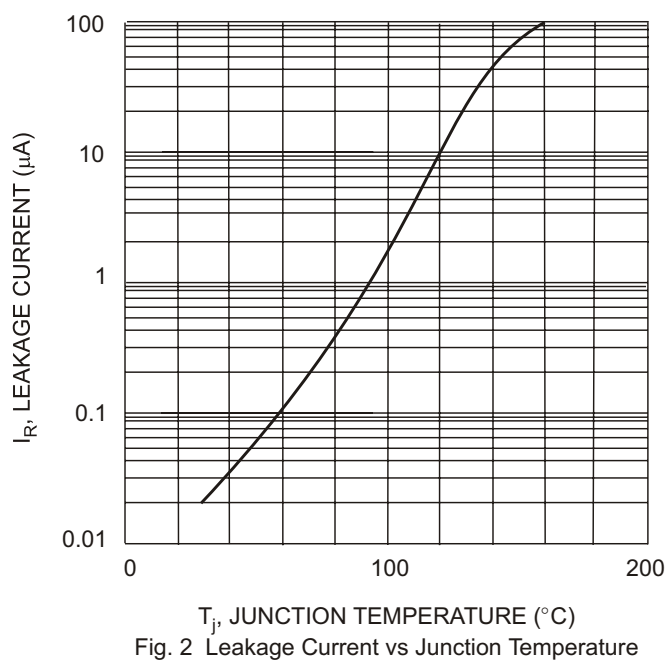
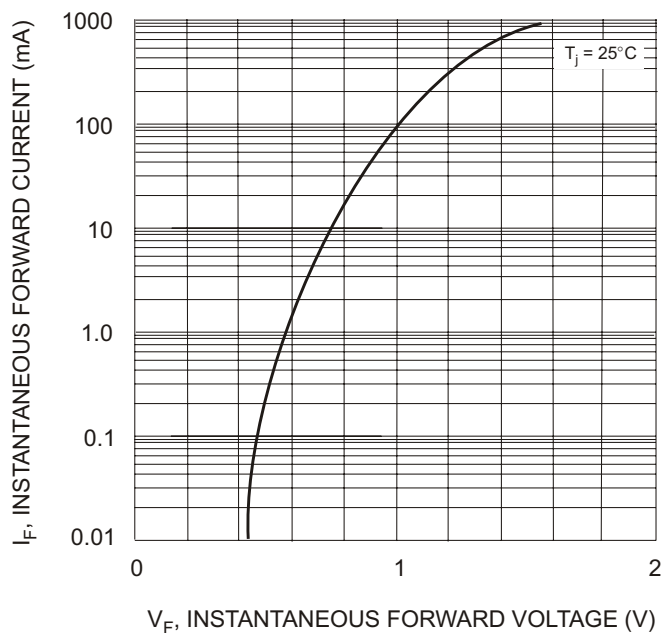


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.110	.120	2.80	3.04	
B	.083	.098	2.10	2.64	
C	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
E	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
H	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

Suggested Solder Pad Layout



Typical Characteristics



Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/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.