

Micro Commercial Components



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

Features

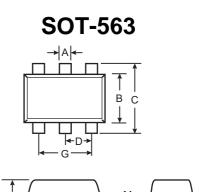
- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance
- Lead Free Plating
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF" Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)

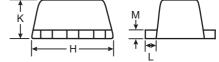
Maxim um Ratings

Symbol	Rating	Rating	Unit
V _{RM}	Non-Repetitive Peak Reverse Voltage	100	V
V _{RRM} V _{RWM} V _R	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	75	V
l _o	Average Rectified Output Current	200	mA
I _{FM}	Forward Continuous Current	300	mA
PD	Power dissipation	150	mW
R • JA	Thermal Resistance Junction to Ambient	833	°C/W
I _{FSM}	Peak forward surge current @=1.0us @=1.0s	2.0 1.0	А
T _{STG}	Storage Temperature	-65 to +150	°C

150mW **Switching Diodes**

BAS16V





DIMENSIONS						
	INCH	NCHES MM				
DIM	MIN	MAX	MIN	MAX	NOTE	
A	.006	.011	0.15	0.30		
В	.043	.049	1.10	1.25		
С	.061	.067	1.55	1.70		
D	.020		0.50			
G	.035	.043	0.90	1.10		
Н	.059	.067	1.50	1.70		
K	.022	.023	0.56	0.60		
L	.004	.011	0.10	0.30		
М	.004	.007	0.10	0.18		

Electrical Characteristics @ 25°C Unless Otherwise Specified

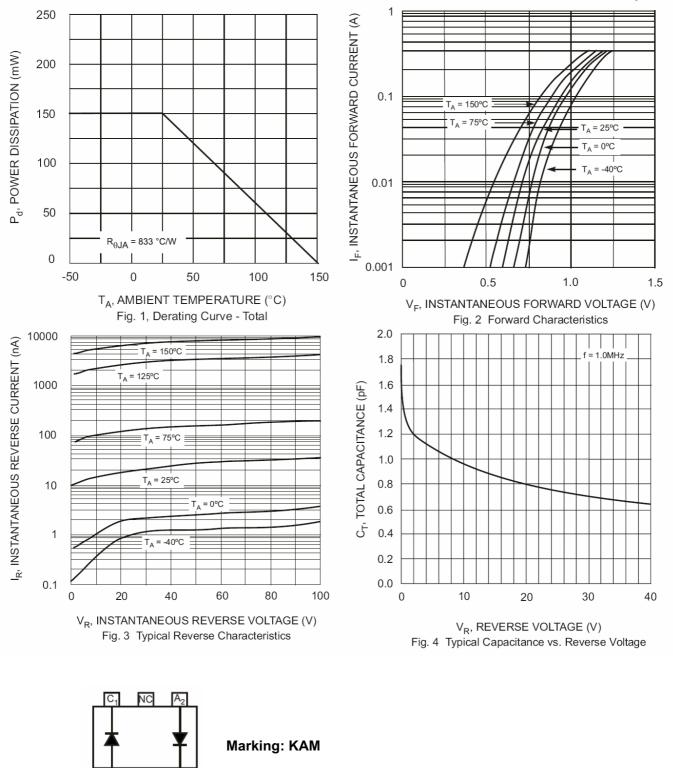
Symbol	Parameter	Min	Max	Test Conditions
V _(BR)	Reverse Breakdown Voltage	75V		I _R =100 μ A
I _R	Reverse Voltage Leakage		25nA	V _R =20V
	Current		1μA	V _R =75V
VF	Forward Voltage		715mV	I _F =1mA
			855mV	I _F =10mA
			1000mV	I _F =50mA
			1250mV	I _F =150mA
CT	Total Capacitance		2pF	V _R =0, f=1MHZ
t _{rr}	Reverse Recovery Time		4ns	I _{rr} =1mA,I _R =I _F =10mA,
				R _L =100 Ω

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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*****

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