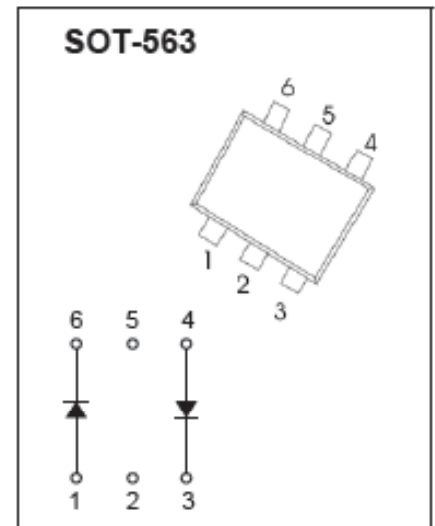
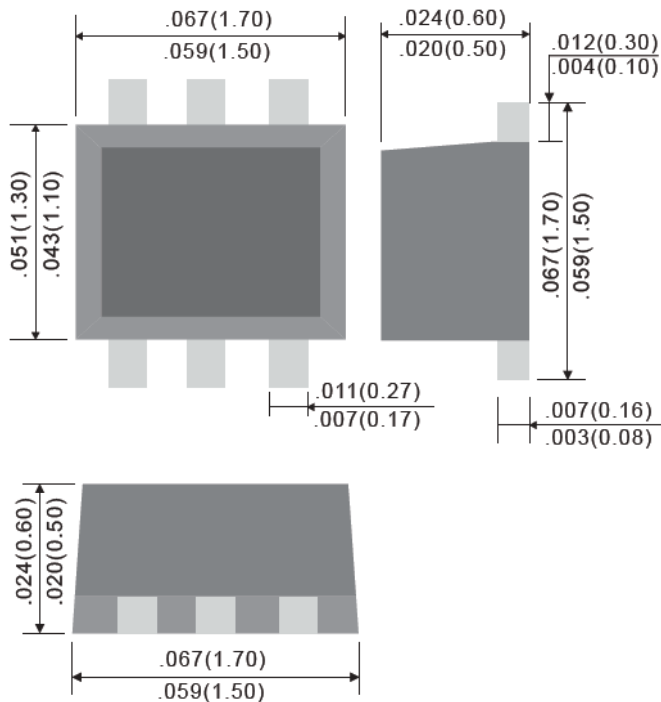




BAT54V



Plastic-Encapsulate Diodes



SCHOTTKY BARRIER DIODE

FEATURES

- Surface mount schottky barrier diode arrays
- Pb-Free package is available
- RoHS product for packing code suffix "G"
- Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1
- Marking: KAV

Maximum Ratings @ T _a =25°C			
Parameter	Symbol	Limit	Unit
Peak Repetitive Peak Reverse Voltage	V _{RRM}	30	V
Working Peak Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
Average Rectified Output Current	I _O	200	mA
Power Dissipation	P _D	150	mW
Thermal Resistance Junction to Ambient	R _{θJA}	667	°C/W
Junction Temperature	T _J	125	°C
Operating/ Storage Temperature Range	T _{STG}	-65~+125	°C

**BAT54V****Plastic-Encapsulate Diodes**

Electrical Characteristics (T _a =25°C unless otherwise specified)					
Parameter	Symbol	Test conditions	Min.	Max.	Unit
Reverse Breakdown Voltage	V _(BR)	I _R = 100μA	30	—	V
Reverse Voltage Leakage Current	I _R	V _R =25V	—	2	μA
Forward Voltage	V _F	I _F =1mA	—	320	mV
		I _F =10mA	—	400	
		I _F =30mA	—	500	
		I _F =100mA	—	1000	
Total capacitance	C _T	V _R =1V, f=1MHz	—	10	pF
Reverse Recovery Time	t _{rr}	I _F =10mA, I _R =10mA~1mA, R _L =100Ω	—	5	ns