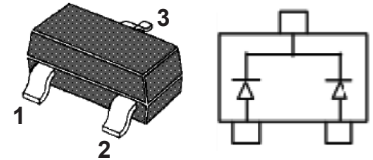


**RoHS
Compliant**



SOT-23



- 1. Base
- 2. Emitter
- 3. Collector

Features

- Fast switching speed
- For general purpose switching applications
- High conductance

Maximum Ratings @ TA = 25°C

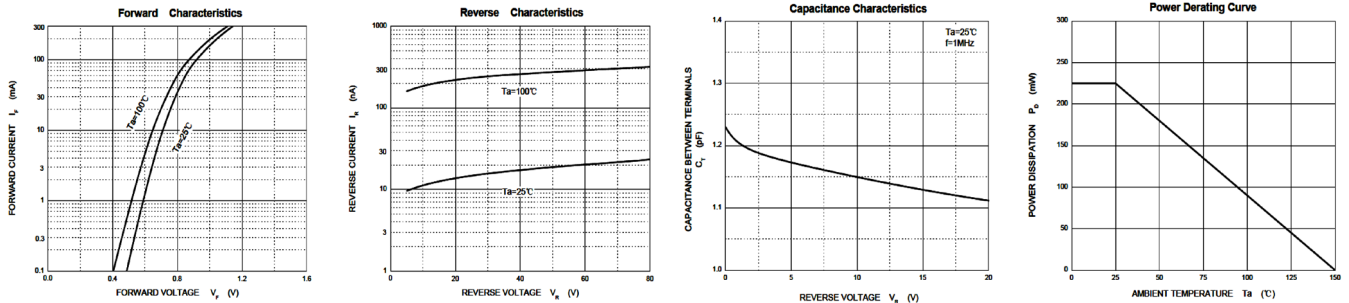
Characteristic	Symbol	Rating	Units
Reverse Breakdown Voltage	V _{RM}	70	V
DC Blocking Voltage	V _R	70	V
Forward Current	I _F	200	mA
Repetitive Peak Forward Current	I _{FRM}	500	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I _{FSM}	2	A
Power Dissipation	P _D	225	mW
Typical Thermal Resistance Junction to Ambient	R _{θJA}	556	°C/W
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{STG}	-55 to +150	

Characteristics @ TA = 25°C

Characteristic	Symbol	Conditions	Min.	Max.	Units
Reverse Breakdown Voltage	V _R	I _R =100μA	70		V
Forward Voltage	V _{F1}	I _F = 1mA		0.715	V
	V _{F2}	I _F = 10mA		0.855	
	V _{F3}	I _F = 50mA		1	
	V _{F4}	I _F = 150mA		1.25	
Reverse current	I _R	V _R =70V		2.5	μA
Capacitance between terminals	C _T	V _R =0V, f=1MHz		1.5	pF
Reverse Recovery Time	t _{rr}	I _F =I _R =10mA; I _{rr} =0.1xI _R , R _L =100Ω		6	nS

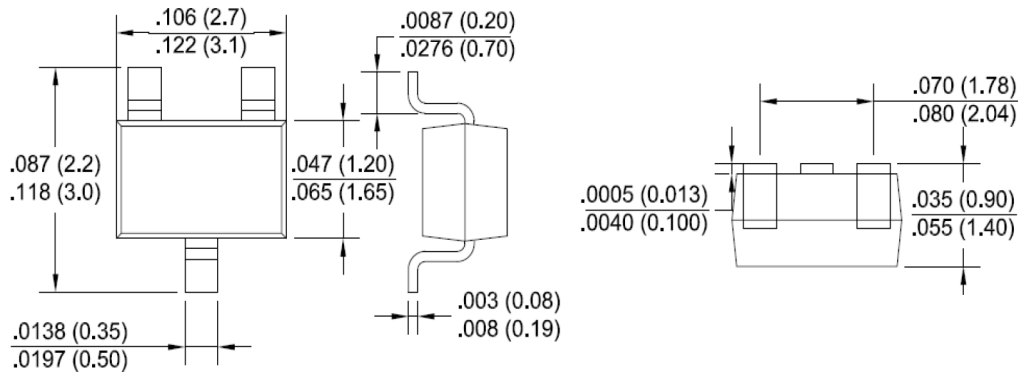
Surface Mount Switching Diodes **multicomp** PRO

Rating and Characteristic Curves



Diagram

SOT-23



Part Number Table

Description	Part Number
Dual Common Cathode, 70V, 225mW, SOT-23, 3 Pin	BAV70+

Dimensions : Inches (Millimetres)

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