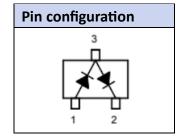


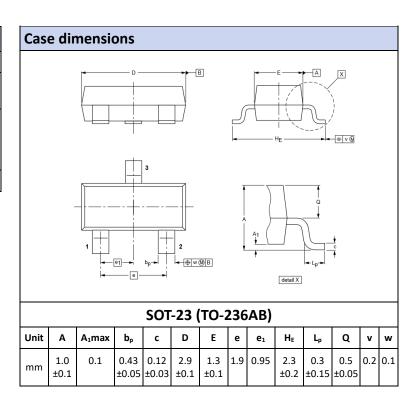
SMD Switching Diode

Primary characteristics					
Parameter		Symbol	Value	Unit	
Continuous reverse voltage		V_R	75	V	
Continuous Forward	Single diode	I-	125	mA	
Current	Double diode	l _F	215	IIIA	
Power Dissipation		P _D	200	mW	

Features

- **SOT-23** case for easy automatic insertion.
- Pb-free and RoHS compliant
- Fast reverse recovery time

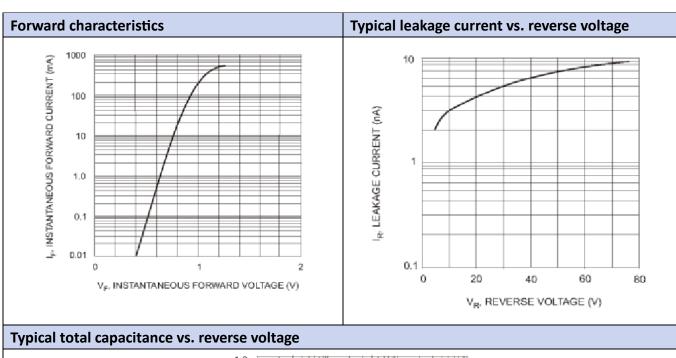


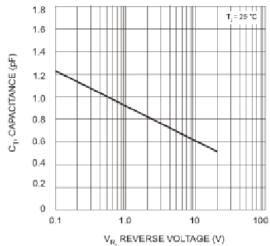


Maximum ratings and electrical characteristics (T _a = 25°C)					
Characteristics		Symbol	Value	Unit	
Maximum peak repetitive reverse voltage		V _{RRM}	85	V	
Continuous reverse voltage		V _R	75	V	
Continuous forward current	Single diode load		125	mA	
	Double diode load	I _F	215		
Repetitive peak forward current		I _{FRM}	450	mA	
Forward surge current	t = 1s		0.5	А	
	t = 1ms	I _{FSM}	1.0		
	t = ys		4.5		
Power dissipation	•	P _D	350	mW	
Forward voltage @I _F	I _F = 1.0mA		0.715	V	
	I _F = 10mA	7 ., [0.855		
	I _F = 50mA	V _F	1.0		
	I _F = 150mA		1.25		

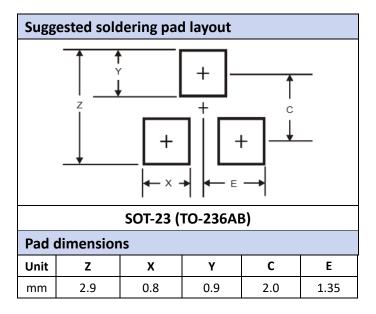


Maximum ratings and electrical characteristics (T _a = 25°C)					
Characteristics		Symbol	Value	Unit	
	V _R = 25V		0.03		
Reverse current @V _R	V _R = 75V	I_R	1.0		
	V _R = 25V, T _J = 150°C		30	ЧA	
	V _R = 75V, T _J = 150°C]	50		
Typical junction capacitance	V _R = 4.0V, f = 1.0MHz	Cı	1.5	pF	
Maximum reverse recovery time	<u>.</u>	Trr	4.0	ns	
Junction and storage temperature ra	nge	T _J , T _{STG}	-65 ~ 150	°C	









Ordering information			
Part Number	Package	Shipping Quantity	Dimensions
BAV99	SOT-23	3000 pcs / reel	

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