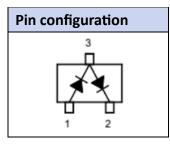


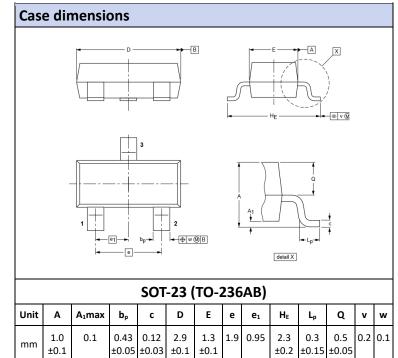
SMD Switching Diode

Primary characteristics					
Parameter		Symbol	Value	Unit	
Continuous reverse voltage		V _R	75	V	
Continuous Forward	Single diode		125	mA	
Current	Double diode	I _F	215	ША	
Power Dissipation		PD	250	mW	

Features

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

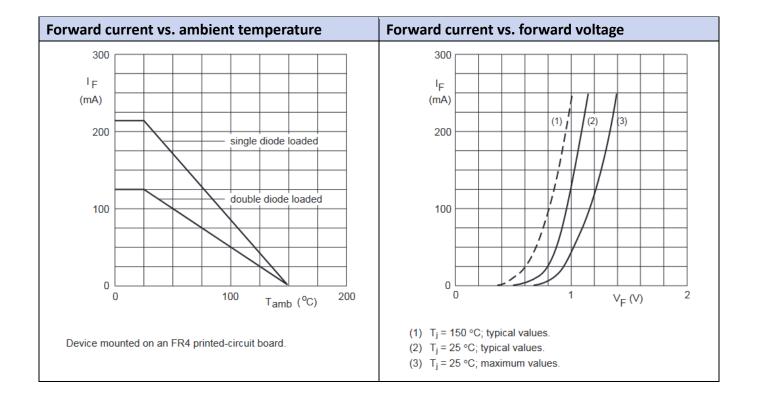




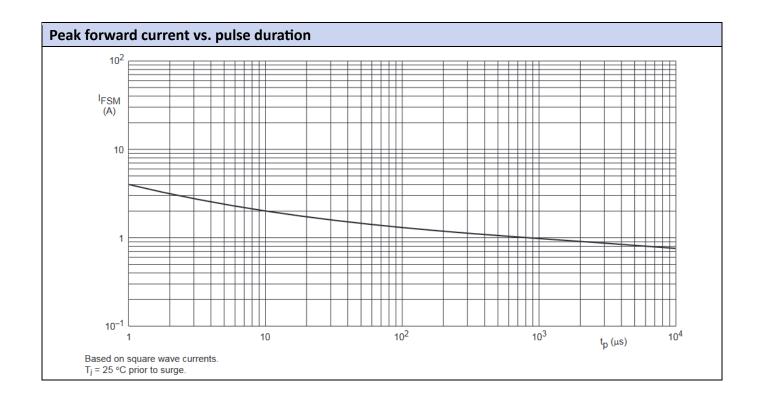
Maximum ratings and electrical characteristics (T _a = 25°C)					
Characteristics		Symbol	Value	Unit	
Maximum peak repetitive reverse voltage		V _{RRM}	85	V	
Continuous reverse voltage		V _R	75	V	
Continuous forward current	Single diode load		215		
	Double diode load	I _F	125	— mA	
Repetitive peak forward current		I _{FRM}	450	mA	
Forward surge current	t = 1s		0.5		
	t = 1ms	I _{FSM}	1.0	А	
	t = ys		4.0		
Power dissipation		P _D	250	mW	
Thermal resistance from junction to tie-point		R _{ej-tp}	360	K/W	
Thermal resistance from junction to ambient		R _{ej-a}	500	K/W	
Junction temperature		Tj	150	°C	
Junction and storage temperature range		T _J , T _{STG}	-65 ~ 150	°C	
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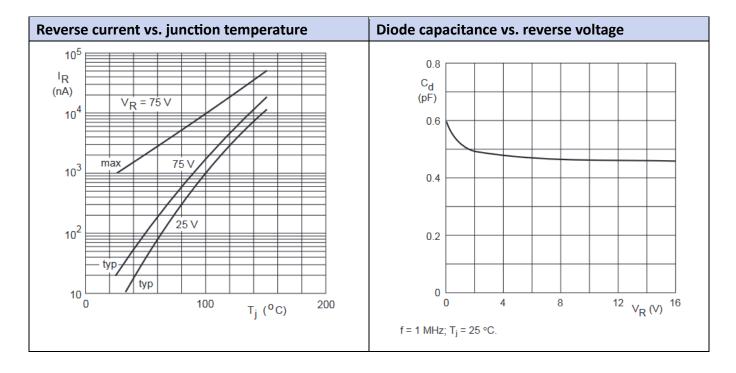


Maximum ratings and electrical characteristics (T _a = 25°C)					
Characteristics		Symbol	Value	Unit	
	I _F = 1.0mA		0.715	V	
Forward valtage @l	I _F = 10mA		0.855		
Forward voltage @I _F	I _F = 50mA	VF	1.0		
	I _F = 150mA		1.25		
Forward recovery voltage	I _F =10mA, tr=20ns	V _{fr}	1.75	V	
	V _R = 75V		1.0		
Reverse current @V _R	V _R = 25V, T _J = 150°C	I _R	30	ųА	
	V _R = 75V, T _J = 150°C		50		
Typical junction capacitance	V _R = 4.0V, f = 1.0MHz	CJ	1.5	pF	
Maximum reverse recovery time		Trr	4.0	ns	

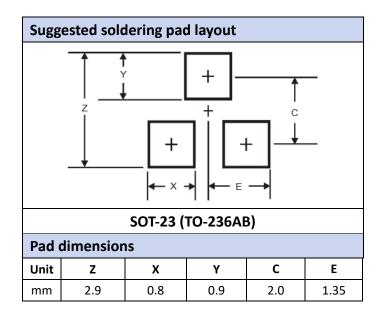












Ordering information				
Part Number	Package	Shipping Quantity	Dimensions	
BAV70	SOT-23	3000 pcs / reel		

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