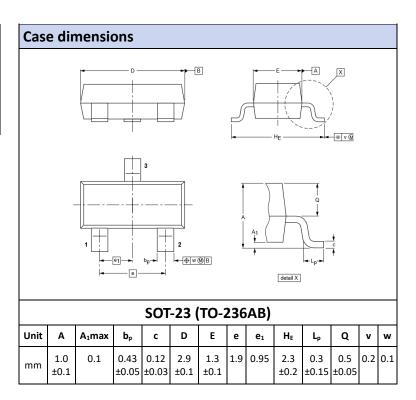


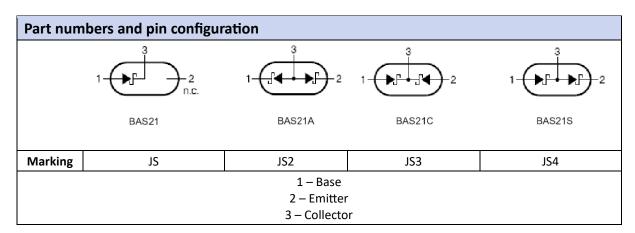
SMD Switching Diode

Primary characteristics				
Parameter	Symbol	Value	Unit	
Reverse voltage	V_R	250	V	
Forward Current	I _F	200	mA	
Power Dissipation	P _D	200	mW	

Features

- **SOT-23** case for easy automatic insertion.
- Pb-free and RoHS compliant
- Fast switching speed
- High conductance
- For general purpose switching applications



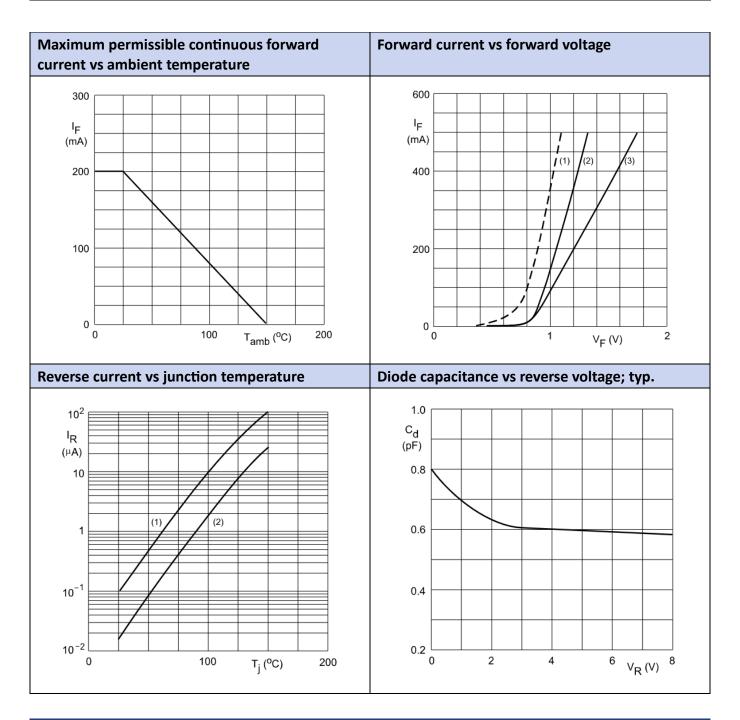


Maximum ratings and electrical characteristics (T _a = 25°C)				
Characteristics	Symbol	Value	Unit	
Reverse voltage	V _R	250	V	
Forward current	I _F	200	mA	
Power dissipation	P _D	200	mW	
Operating junction and storage temperature range	T _j , T _{STG}	-55 ~ 1 50	°C	

Akyga semi Page 1/4 2024-04; REV. 1

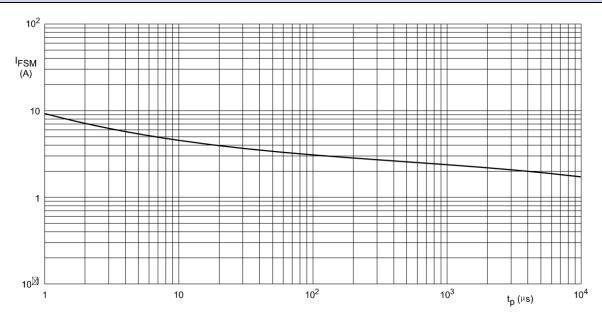


Electrical characteristics (T _a =25°C)						
Davamakan	C. mak al	Task sandikiana		Value		
Parameter	rameter Symbol Test conditions	lest conditions	Min.	Тур.	Max.	Unit
Reverse breakdown voltage	V _(BR)	I _R =100μA	250	-	-	V
Reverse leakage current	IR	V _R =200V	-	-	100	nA
Forward voltage	.,	I _F = 100mA	-	-	1.0	V
	V _F	I _F = 200mA	-	-	1.25	
Junction capacitance	Cj	V _R =0V, f=1.0MHz	-	-	5.0	pF
Reverse recovery time	t _{rr}		-	-	50	ns

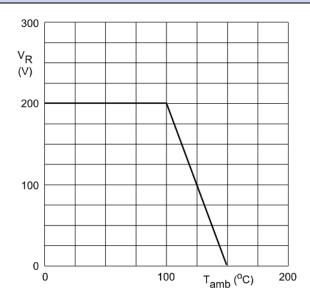




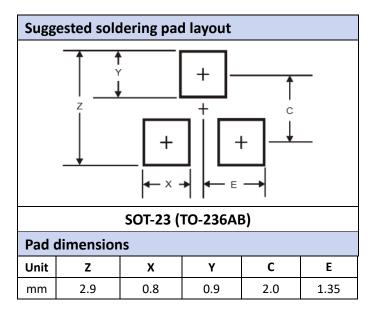
Maximum permissible non-repetitive peak forward current as a function of pulse duration



Maximum permissible continuous reverse voltage vs ambient temperature







Ordering information			
Part Number	Package	Shipping Quantity	Dimensions
BAS21/A/C/S	SOT-23	3000 pcs / 7" reel	

Disclaimer

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Akyga semi Page 4/4 2024-04; REV. 1