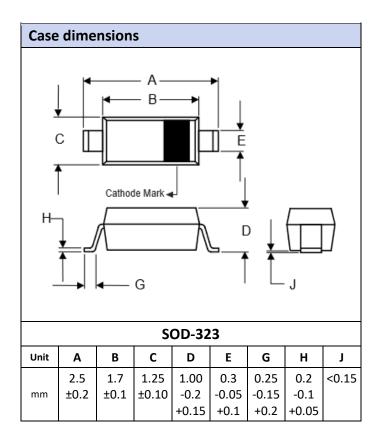


SMD General Purpose Diode

Primary characteristics			
Parameter	Value		
VR	50	V	
Power rating	500	mW	

Features

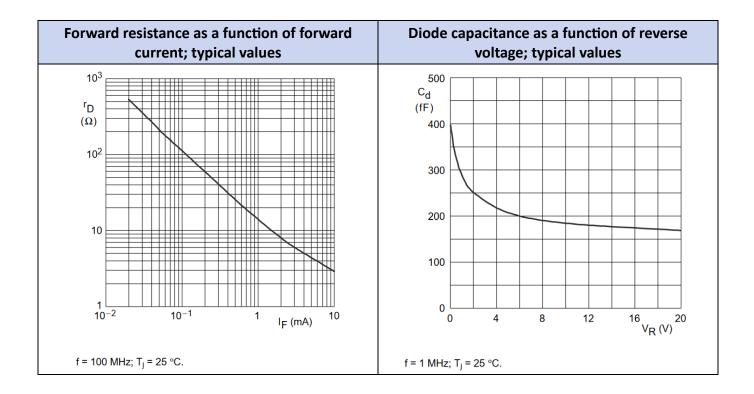
- **SOD-323** case for easy automatic insertion.
- Pb-free and **RoHS** compliant
- General purpose
- Low diode capacitance
- Low diode forward resistance
- Good for RF applications



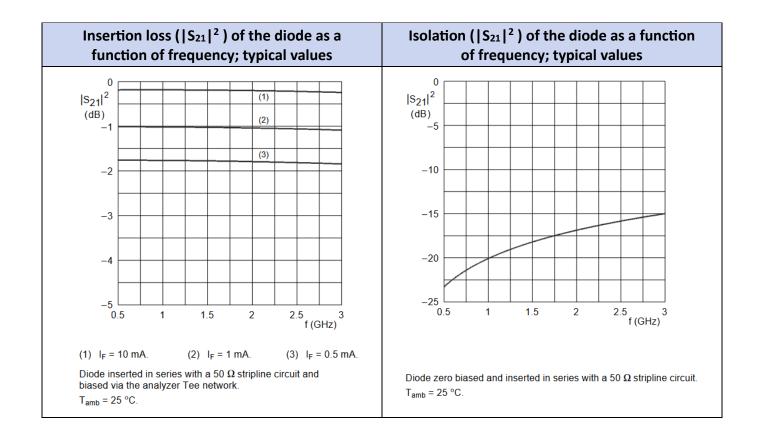
Absolute maximum ratings					
Parameter	Symbol	Value	Unit		
Continuous reverse voltage	VR	50	V		
Continuous forward current	IF	50	mA		
Total power dissipation (Ts=90°C)	Ptot	500	mW		
Storage Temperature Range	T _{stg}	-65 ~ 150	°C		
Junction Temperature Range	Tj	-65 ~ 150	°C		
In accordance with the Absolute Maximum Rating System (IEC 134).					



Electrical and thermal characteristics (Tj=25°C)						
Parameter	Symbol	Test conditions	Value		11	
			Min.	Тур.	Max.	Unit
Forward voltage	VF	I⊧=50mA	-	0.95	1.1	V
Reverse voltage	V _R	I _R =10μΑ	50	-	-	V
Reverse current	IR	V _R =50V	-	-	100	nA
Diode capacitance	C _d	V _R =0V, f=1MHz	-	0.4	-	pF
		V _R =1V, f=1MHz	-	0.3	0.55	
		V _R =5V, f=1MHz	-	0.2	0.35	
Diode forward resistance	r _D	I _F =0.5mA, f=100MHz ¹⁾	-	25	40	Ω
		I _F =1mA, f=100MHz ¹⁾	-	14	25	
		I _F =10mA, f=100MHz ¹⁾	-	3	5	
Thermal resistance from junction to soldering point	R _{th j-s}	-		85		K/W
1) Guaranteed on AQL basis: inspection level S	4, AQL 1.0					

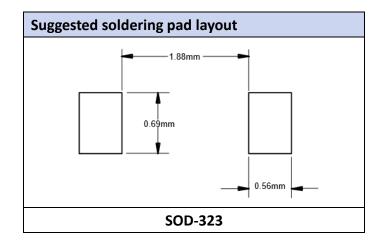








Ordering information				
Part Number	Package	Shipping Quantity	Dimensions	
BAP50-03	SOD-323	3000 pcs / reel		



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