

PARAMETER	SYMBOL	VALUE	UNIT
Maximum reverse voltage	VR	250	V
Peak reverse voltage	Vrrm	250	V
Average rectified current at temp=25 °C	lo	0.2	А
Non-repetitive peak forward surge current at t=1µs	IFSM	4	А



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THERMAL CHARACTERISTICS

PARAMETER	SYMBOL	VALUE	UNIT	
Power dissipation	Ртот	250	mW	
Power dissipation (Note 3)	Ртот	500	mW	
Typical thermal resistance (Note 1)	Reja	357	°C/W	
Typical thermal resistance (Note 3)	Reja	250	°C/W	
Typical thermal resistance (Note 2)	Rejc	250	°C/W	
	Rejl	285		
Junction temperature range	TJ	150	٥C	
Storage temperature range	Тѕтс	-55 to +150	٥C	

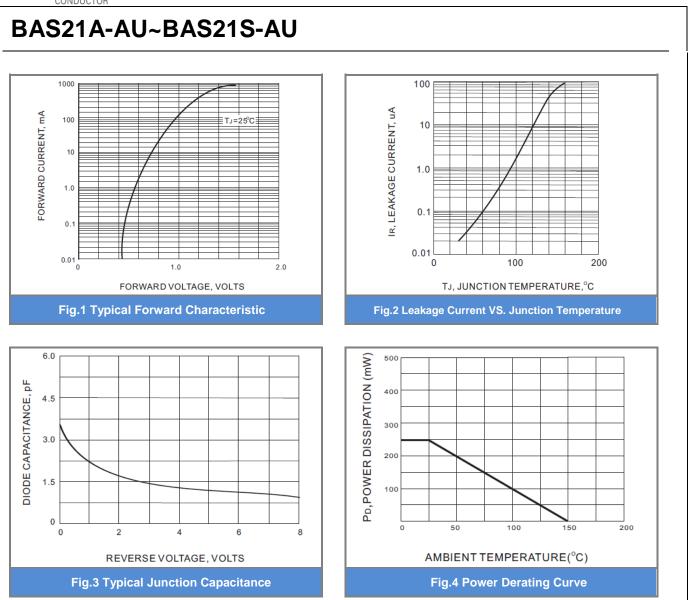
Notes : 1.Mounted on a FR-4 PCB, single-sided copper, mini pad.

- 2. Mounted on a FR-4 PCB, single-sided copper, with 100cm² copper pad area.
- 3. Reja is the sum of the junction-to-case and case-to-ambient thermal resistance where the case thermal reference is defined as the solder mounting surface of the drain pins mounted on a 1 inch FR-4 with 2oz. square pad of copper.

ELECTRICAL CHARACTERISTICS (TJ=25 °C, unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP	MAX.	UNIT
Reverse breakdown voltage	V(BR)	IR=100μA	250	-	-	V
Reverse current	lr	Vr =200V	-	-	0.1	μΑ
		Vr =200V Tj=150°C	-	-	100	
Forward voltage	VF	l⊧=1mA	-	-	0.7	V
		IF=100mA	-	-	1	
Maximum junction capacitance	Сл	Vr=0V,f=1MHz	-	-	5	рF
Reverse recovery time TRR	-	IF = IR=30mA	-	-	50	ns
	I RR	R _L =100Ω				

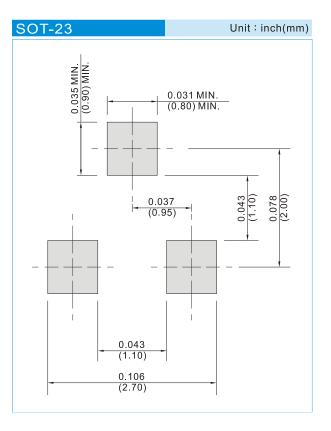






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MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information
T/R – 12K per 13" plastic Reel
T/R – 3K per 7" plastic Reel



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