

Electrical Characteristics @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Forward Voltage	V_F	$I_F=100\text{mA}$			1	V
		$I_F=200\text{mA}$			1.25	V
Dynamic Forward Resistance	r_f	$I_F=10\text{mA}$		5		Ω
Reverse Current	I_R	BAV19W $V_R=100\text{V}$			100	nA
		BAV20W $V_R=150\text{V}$			100	nA
		BAV21W $V_R=200\text{V}$			100	nA
		BAV19W $V_R=100\text{V}, T_J=100^\circ\text{C}$			15	μA
		BAV20W $V_R=150\text{V}, T_J=100^\circ\text{C}$			15	μA
		BAV21W $V_R=200\text{V}, T_J=100^\circ\text{C}$			15	μA
Junction Capacitance	C_J	$V_R = 0\text{V}, f = 1\text{MHz}$		1.5		pF
Reverse Recovery Time	t_{rr}	$I_F=I_R=30\text{mA},$ $I_{rr}=0.1*I_R, R_L=100\Omega$			50	ns

* Pulse Test: Pulse Width 300 μsec , Duty Cycle 2%

Curve Characteristics

Fig. 1 - Typical Instantaneous Forward Characteristics

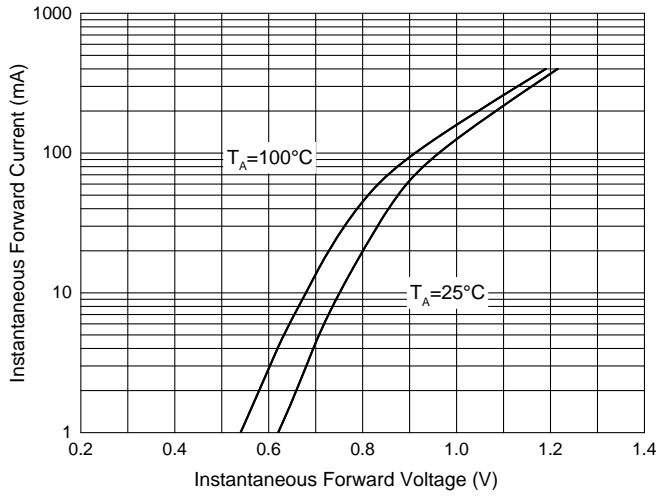


Fig. 2 - Typical Reverse Leakage Characteristics

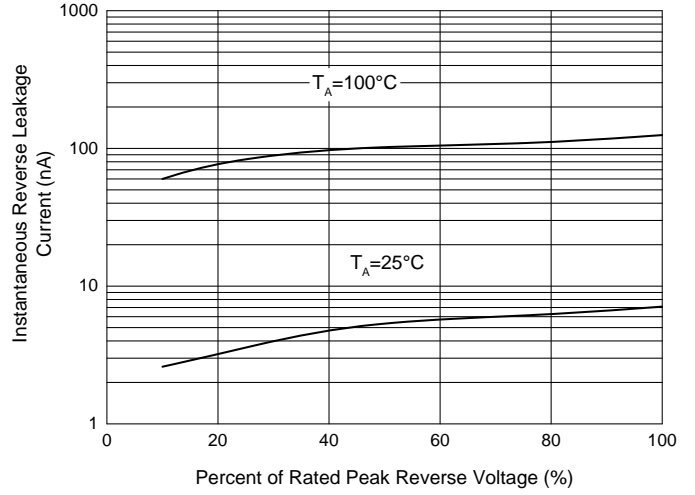


Fig. 3 - Power Derating Curve

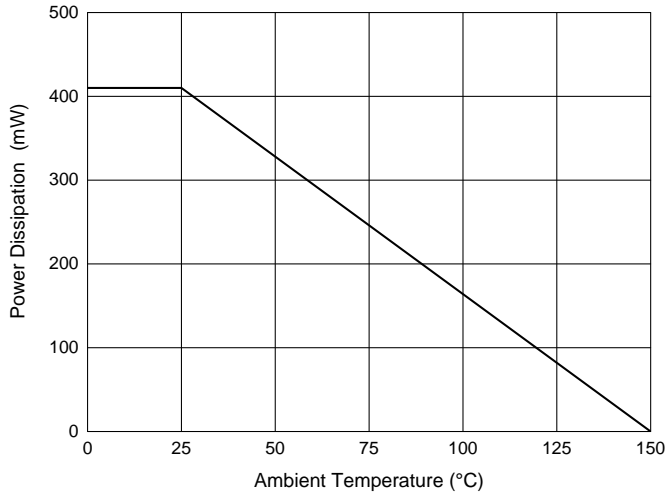


Fig. 4 - Current Derating Curve

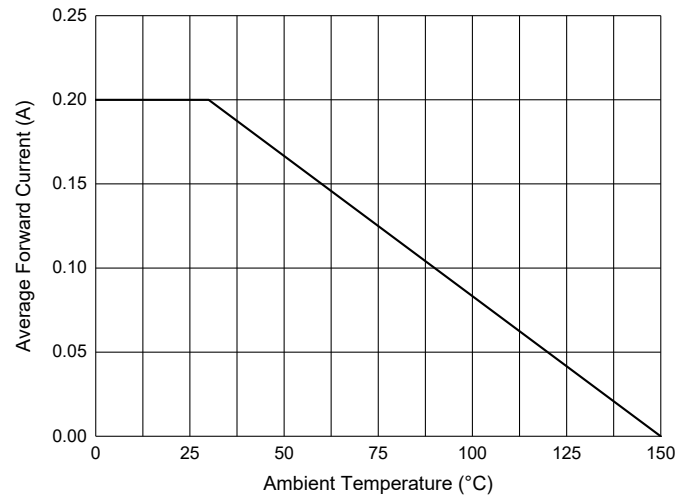
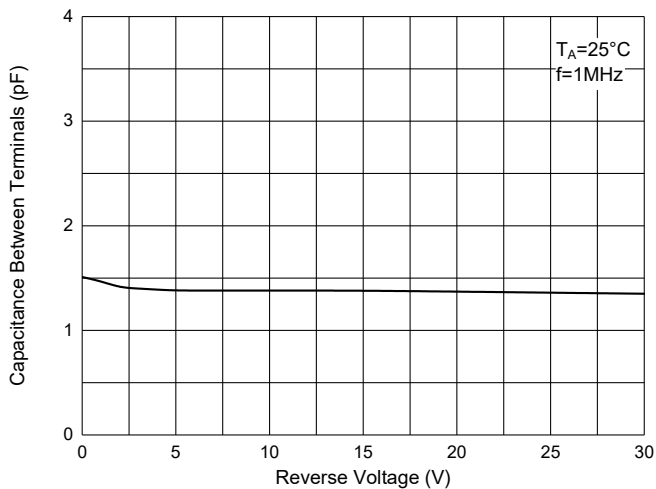


Fig. 5 - Capacitance Characteristics



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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