



**SDR2UF1.8 and SMS
SDR2UF2.0 and SMS**

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ELECTRICAL CHARACTERISTICS		Symbol	Min	Max	Unit
Breakdown Voltage ($I_R = 50 \mu A$, $T_A = 25^\circ C$, 300 μ sec minimum Pulse)	SDR2UF1.8 & SMS SDR2UF2.0 & SMS	BV_R	—	1800 2000	Volts
Instantaneous Forward Voltage Drop ($T_A = 25^\circ C$, 300 – 500 μ sec Pulse)	$I_{F1} = 1 A$	V_{F1}	—	3.60	Volts
	$I_{F2} = 2 A$	V_{F2}	—	4.20	Volts
Instantaneous Forward Voltage Drop ($T_A = -55^\circ C$, 300 – 500 μ sec Pulse)	$I_{F3} = 1 A$	V_{F3}	—	3.80	Volts
	$I_{F4} = 2 A$	V_{F4}	—	4.60	Volts
Reverse Leakage Current ($V_R = 85\%$ rated V_R , 300 μ sec minimum Pulse)	$T_A = 25^\circ C$	I_{R1}	—	1.5	μA
	$T_A = 100^\circ C$	I_{R2}	—	200	μA
Junction Capacitance ($V_R = 50 V_{DC}$, $T_A = 25^\circ C$, $f = 1 MHz$)		C_J	—	20	pF
Reverse Recovery Time ($I_F = 500 mA$, $I_R = 1 A$, $I_{RR} = 250 mA$, $T_A = 25^\circ C$)		t_{rr}	—	70	ns

Case Outline: (Axial)	DIM	MIN	MAX
	A	—	0.170"
	B	0.240"	0.270"
	C	0.045"	0.051"
	D	1.00"	—

Case Outline: (SMS)	DIM	MIN	MAX
	A	0.195"	0.205"
	B	0.290"	0.330"
	C	0.020"	0.030"
	D	0.002"	—