

ELECTRICAL CHARACTERISTICS (at $T_A = 25^\circ\text{C}$ unless noted)

CHARACTERISTICS	SYMBOL	LIMIT	UNITS	CONDITIONS
Maximum Reverse Leakage Current	I_{RM1}	2.0	mA	$V_{RM} = 45\text{V}^1$
	I_{RM2}	20	mA	$V_{RM} = 45\text{V}, T_A = 125^\circ\text{C}$
	I_{RM3}	200	mA	$V_{RM} = 45\text{V}, T_A = 175^\circ\text{C}$
	I_{RM4}	20	mA	$V_{RM} = 45\text{V}, T_A = -55^\circ\text{C}$
	I_{RSM}	2.0	A	$V_{RSM} = 54\text{V}$
Maximum Forward Voltage	V_{FM1}	0.92	V	$I_{FM} = 8\text{A (pk)}^{1,2}$
	V_{FM2}	0.68	V	$I_{FM} = 4\text{A (pk)}$
	V_{FM3}	0.56	V	$I_{FM} = 2\text{A (pk)}$
		0.63	V	$I_{FM} = 2\text{A (pk)}, T_A = -55^\circ\text{C}$
	V_{FM4}	0.48	V	$I_{FM} = 1\text{A (pk)}$
Capacitance	C_T	450	pf	$V_R = 5\text{V}$
Surge Current	I_{SURGE}			$I_{FSM} = 80\text{A (pk)}$ $V_{RM} = 45\text{V (pk)}$ $I_O = 0.75\text{A}$ 10 surges of 8.3mSec at 1 minute intervals

¹ Pulse width = 400μSec, duty cycle = 1%

² Measured with anode and cathode lead length of 0.2" from case

