



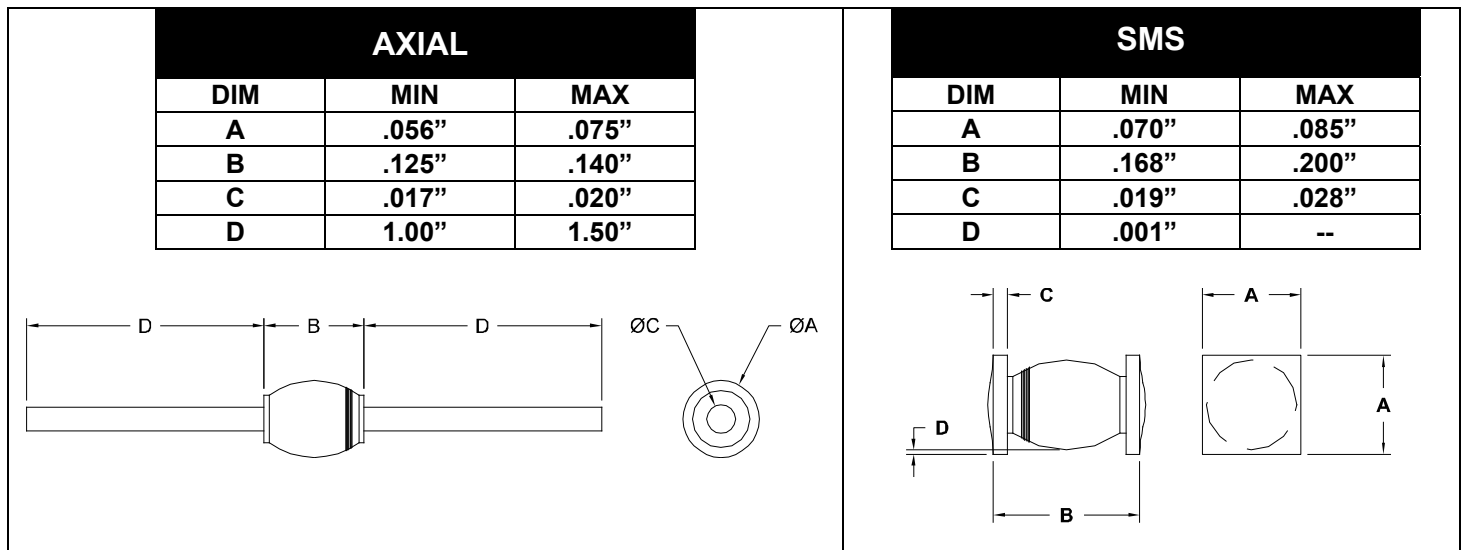
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1N8021 thru 1N8023 SERIES

ELECTRICAL CHARACTERISTICS ^{3/}

CHARACTERISTICS	SYMBOL	LIMIT	UNIT
Maximum Instantaneous Forward Voltage Drop (Pulsed, T _A = 25°C)	@ I _F = 1mA	V _{F1}	0.550
	@ I _F = 10mA	V _{F2}	0.660
	@ I _F = 100mA	V _{F3}	0.810
	@ I _F = 200mA	V _{F4}	0.860
	@ I _F = 500mA	V _{F5}	0.950
	@ I _F = 1A	V _{F6}	1.000
Maximum Instantaneous Forward Voltage Drop (Pulsed, T _A = 125°C)	@ I _F = 10mA	V _{F7}	0.500
	@ I _F = 100mA	V _{F8}	0.640
Maximum Instantaneous Forward Voltage Drop (Pulsed, T _A = -55°C)	@ I _F = 10mA	V _{F9}	0.840
	@ I _F = 100mA	V _{F10}	0.940
Minimum Breakdown Voltage I _R = 100 μA	1N8021	BV _R	110
	1N8022		165
	1N8023		220
Maximum Reverse Leakage Current (300 μs Pulse Minimum , T _A = 25°C)	@ V _R = 20V	I _{R1}	150
	@ V _R = 75V	I _{R2}	200
	@ V _R = max rated	I _{R3}	750
Maximum Reverse Leakage Current (300 μs Pulse Minimum , T _A = 125°C)	@ V _R = 20V	I _{R4}	60
	@ V _R = 75V	I _{R5}	85
	@ V _R = max rated	I _{R6}	200
Maximum Junction Capacitance (T _A = 25°C , f = 1MHz) V _R = 0V		C _{J1}	12
Maximum Junction Capacitance (T _A = 25°C , f = 1MHz) V _R = 1.5V		C _{J2}	10
Maximum Junction Capacitance (T _A = 25°C , f = 1MHz) V _R = 10V		C _{J3}	6
Maximum Reverse Recovery Time (I _F = 50 mA, I _R = 100 mA, I _{RR} = 25 mA)		t _{rr}	10
Maximum Forward Recovery Time (I _F = 50 mA)		t _{fr}	25



NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release.	DATA SHEET #: RC0160D	DOC
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