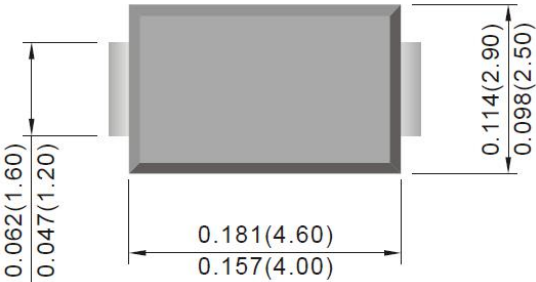
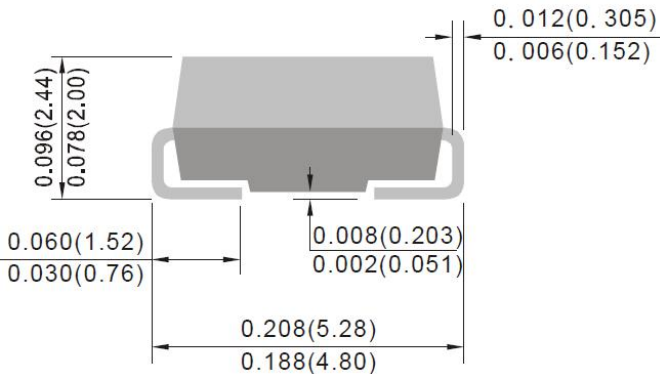
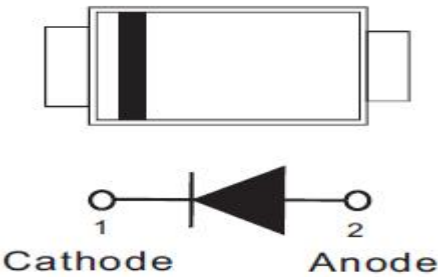


 DO-214AC  0.062(1.60) 0.047(1.20) 0.181(4.60) 0.157(4.00) 0.114(2.90) 0.098(2.50)  0.096(2.44) 0.078(2.00) 0.012(0.305) 0.006(0.152) 0.060(1.52) 0.030(0.76) 0.008(0.203) 0.002(0.051) 0.208(5.28) 0.188(4.80)	FEATURES ■ The plastic package carries Underwriters Laboratory ■ Flammability Classification 94V-0 ■ For surface mounted applications ■ Low reverse leakage ■ Built-in strain relief,ideal for automated placement ■ High forward surge current capability ■ High temperature soldering guaranteed; ■ 25°C/10 seconds at terminals MECHANICAL DATA Case: JEDEC DO-214AC molded plastic body Terminals: Solder plated, solderable per MIL-STD-750,Method 2026 Polarity: Color band denotes cathode end Mounting Position: Any Weight:0.003 ounce, 0.093 grams
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PIN ASSIGNMENT



■ ■ MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

CHARACTERISTIC	SYMBOL	DX1N 4001L	DX1N 4002L	DX1N 4003L	DX1N 4004L	DX1N 4005L	DX1N 4006L	DX1N 4007L	UNIT
		M1	M2	M3	M4	M5	M6	M7	
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward rectified current at $T_L=110\text{ }^{\circ}\text{C}$	$I_{(AV)}$	1.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	30							A
Maximum instantaneous forward voltage at 1.0A	V_F	1.1							V
Maximum DC reverse current $T_A=25^{\circ}\text{C}$ at rated DC blocking voltage $T_A=100^{\circ}\text{C}$	I_R	5 50							μA
Typical junction capacitance (NOTE 1)	C_J	75							pF
Typical thermal resistance (NOTE 2)	$R_{\theta JA}$	45							$^{\circ}\text{C}/\text{W}$
Operating junction and storage temperature range	T_J, T_{STG}	-50~+150							$^{\circ}\text{C}$

Note:1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2.P.C.B. mounted with 0.2x0.2" (5.0x5.0mm) copper pad areas

■ ■ RATINGS AND CHARACTERISTIC CURVES M1 THRU M7

