General Purpose Rectifiers multicomp





Features:

- Low forward voltage drop
- High current capability

Absolute Maximum Ratings* TA = 25°C unless otherwise noted

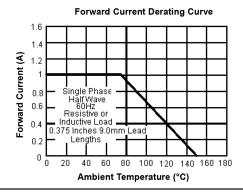
Parameter	Symbol	Value	Units		
Average Rectified Current 0.375 Inches Lead Length at T _A = 75°C	lo	1	1		
Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave Superimposed on Rated Load (JEDEC Method)	i _f (surge)	Α			
Total Device Dissipation Derate above 25°C	Po	2.5 20	W mW/°C		
Thermal Resistance, Junction to Ambient	RθJA	50	°C/W		
Storage Temperature Range	Тѕтс	TsTG -55 to +175			
Operating Junction Temperature	TJ	-55 to +150	°C		

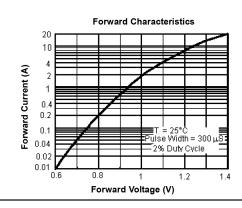
^{*}These Ratings are Limiting Values above Which the Serviceability of Any Semiconductor Device may be Impaired.

Electrical Characteristics T_A = 25°C unless otherwise noted

Parameter		Device						Unit
		4001+	4002+	4003+	4004+	4005+	4006+	Unit
Peak Repetitive Reverse Voltage		50	100	200	400	600	1,000	
Maximum RMS Voltage		35	70	140	280	420	700	V
DC Reverse Voltage (Rated V _R)		50	100	200	400	600	1,000	
Maximum Reverse Current at Rated VR	T _A = 25°C T _A = 100°C	5 500					μA	
Maximum Forward Voltage at 1A		1.1			V			
Maximum Full Load Reverse Current, Full Cycle T _A = 75°C		30						μA
Typical Junction Capacitance V _R = 4V, f = 1 MHz		15					pF	

Typical Characteristics



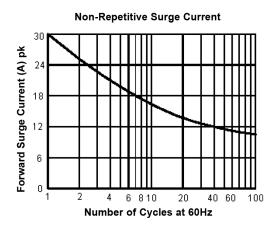


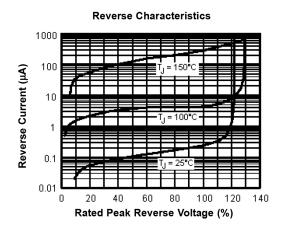
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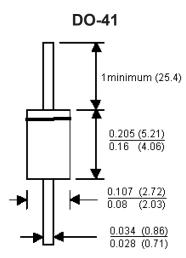
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Dimensions:



Dimensions: Inches (Millimetres)

Part Number Table

Description	Part Number		
Diode, Standard, 1A, 50V	1N4001+		
Diode, Standard, 1A, 100V	1N4002+		
Diode, Standard, 1A, 200V	1N4003+		
Diode, Standard, 1A, 400V	1N4004+		
Diode, Standard, 1A, 600V	1N4005+		
Diode, Standard, 1A, 800V	1N4006+		

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