

1N6616-1N6619

ULTRA FAST RECTIFIERS

FEATURES

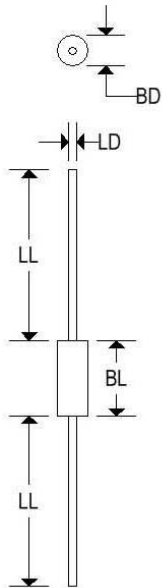
- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise specified)

Part number	Working reverse voltage	Average rectified current		Reverse current @ V_{RWM}		Forward voltage		1 cycle surge current	Repetitive surge current	Reverse recovery time ⁽³⁾	Thermal impedance			Junction capacitance
								$t_p = 8.3\text{ms}$						@ 50Vdc @ 1kHz
	V_{RWM}	I_o		I_R		V_F		I_{FSM}	I_{FRM}	t_{rr}	θ_{J-L}			C_j
		$55^\circ\text{C}^{(1)}$	$100^\circ\text{C}^{(2)}$	25°C	100°C	25°C	25°C	25°C	25°C	25°C	$L = 0.125"$	$L = 0.375"$	$L = 0.500"$	25°C
	Volts	Amps	Amps	μA	μA	Volts	Amps	Amps	Amps	ns	$^\circ\text{C/W}$	$^\circ\text{C/W}$	$^\circ\text{C/W}$	pF
1N6616	400	3.0	2.0	1.0	20	1.7	3.00	100	20	70	9	20	25	35
1N6617	600	3.0	2.0	1.0	20	1.7	3.00	100	20	70	9	20	25	35
1N6618	800	3.0	2.0	1.0	20	1.7	3.00	100	20	70	9	20	25	35
1N6619	1000	3.0	2.0	1.0	20	1.7	3.00	100	20	70	9	20	25	35

MECHANICAL CHARACTERISTICS

Case	Digi G
Marking	Body painted, alpha-numeric
Polarity	Cathode band



	Digi G			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	0.135	0.185	3.430	4.700
BL	0.140	0.195	3.560	4.950
LD	0.036	0.042	0.910	1.067
LL	1.000	1.300	25.400	33.020

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