

# 1N6616-1N6619

## ULTRA FAST RECTIFIERS

### FEATURES

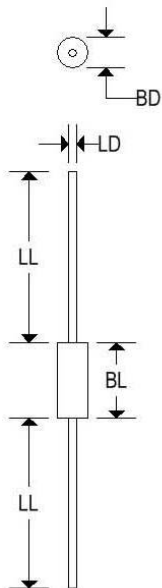
- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T<sub>A</sub> = 25°C unless otherwise specified)

Part number	Working reverse voltage	Average rectified current		Reverse current @ V <sub>RWM</sub>		Forward voltage		1 cycle surge current	Repetitive surge current	Reverse recovery time <sup>(3)</sup>	Thermal impedance			Junction capacitance
		I <sub>O</sub>		I <sub>R</sub>		V <sub>F</sub>		I <sub>FSM</sub>	I <sub>FRM</sub>	t <sub>rr</sub>	Θ <sub>J-L</sub>			C <sub>J</sub>
	V <sub>RWM</sub>	55°C <sup>(1)</sup>	100°C <sup>(2)</sup>	25°C	100°C	25°C		25°C	25°C	25°C	L = 0.125"	L = 0.375"	L = 0.500"	@ 50Vdc @ 1kHz
	Volts	Amps	Amps	μA	μA	Volts	Amps	Amps	Amps	ns	°C/W	°C/W	°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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