

1N6661-1N6663

STANDARD RECOVERY 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

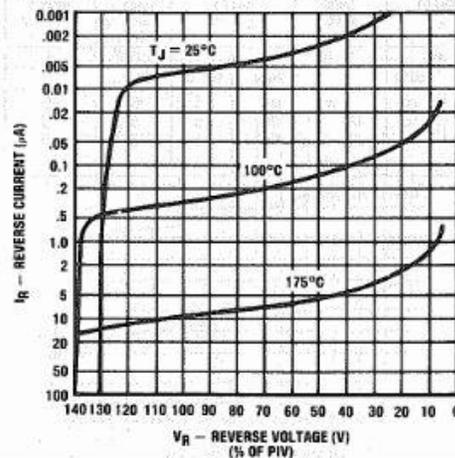
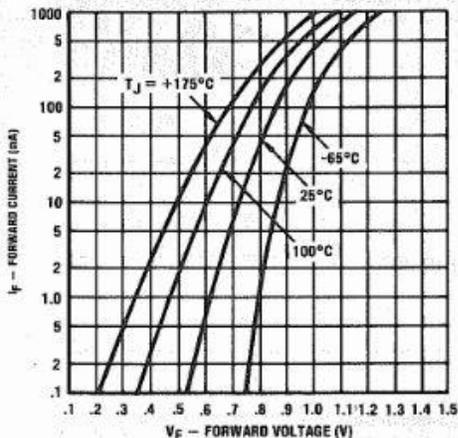
Characteristics	Ratings
Junction and Storage Temperature Range	-65° to +175°C
Thermal Resistance	160°C/W junction to lead at 3/8" lead length from body
Average Rectified Forward Current (I_o)	0.5 Amps @ $T_A = 25^\circ\text{C}$ and 0.150 Amps at 150°C
Forward Surge Current	5 Amps @ 8.3 half sine
Solder Temperatures	260°C for 10 s (maximum)

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

Part Number	Working Peak Reverse Voltage	Minimum Breakdown Voltage	Average Rectified Current ⁽²⁾		Maximum Forward Voltage	Maximum Reverse Current		Maximum Surge Current ⁽¹⁾
	V_{RWM} Volts	V_{BR} @ 100 μA Volts	I_o Amps		V_F @ 0.4 A (pulsed) Volts	I_R @ V_{RWM} μA		I_{FSM} Amps
			25°C	150°C		25°C	150°C	
1N6661	225	270	0.5	0.15	1.0	0.05	300	5
1N6662	400	480	0.5	0.15	1.0	0.05	300	5
1N6663	600	720	0.5	0.15	1.0	0.05	300	5

Note 1: $T_A = 25^\circ\text{C}$, 10 surges of 8.3ms @ 1 minute intervals

Note 2: Linearly derate at 2.8 mA/°C between $T_A = 25^\circ\text{C}$ and 150°C and 6.0 mA/°C between $T_A = 150^\circ\text{C}$ and 175°C .

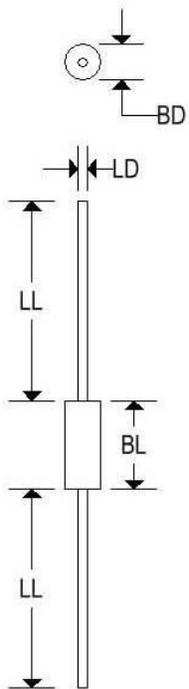


1N6661-1N6663

STANDARD RECOVERY RECTIFIERS

MECHANICAL CHARACTERISTICS

Case:	DO-35
Marking:	Body painted, alpha-numeric
Polarity:	Cathode band



	DO-35			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	0.055	0.090	1.400	2.290
BL	0.120	0.200	3.050	5.080
LD	0.018	0.022	0.460	0.560
LL	1.000	1.500	25.400	38.100