



**DC COMPONENTS CO., LTD.**

RECTIFIER SPECIALISTS

1N914

THRU

1N / 1N  
4148 / 4454

**TECHNICAL SPECIFICATIONS OF HIGH SPEED SWITCHING DIODES**

VOLTAGE RANGE -50 to 100 Volts

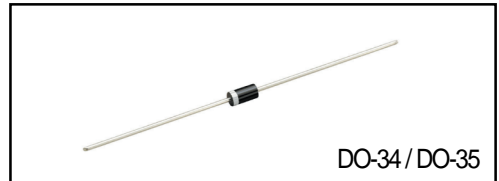
CURRENT - 0.075 to 0.2 Ampere

**FEATURES**

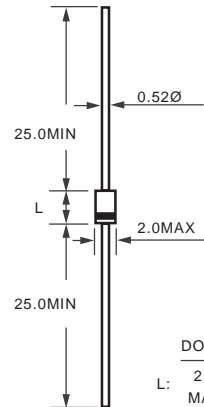
- \* Silicon epitaxial planar diodes
- \* Low power loss, high efficiency
- \* Low leakage
- \* Low forward voltage
- \* High speed switching
- \* High current capability
- \* High reliability

**MECHANICAL DATA**

- \* Case: Glass sealed case
- \* Lead: MIL-STD-202E, Method 208 guaranteed
- \* Polarity: Color band denotes cathode end
- \* Mounting position: Any
- \* Weight: 0.13 gram



DO-34/DO-35



	DO-34	DO-35
L:	2.9	4.2
	MAX	MAX

Dimensions in millimeters

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25°C ambient temperature unless otherwise specified.  
Single phase, half wave, 60 Hz, resistive or inductive load.  
For capacitive load, derate current by 20%.

	SYMBOL	1N914	1N4148	1N4150	1N4151	1N4154	1N4448	1N4454	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	100	100	50	75	35	100	75	V
Maximum Average Rectified Current	I <sub>o</sub>	75	150	200	150	150	150	150	mA
Maximum Power Dissipation Tamb=25°C	P <sub>tot</sub>	250	500	500	500	500	500	500	mW
Maximum Forward Voltage	V <sub>F</sub>	1.0/10	1.0/10	1.0/200	1.0/50	1.0/30	1.0/100	1.0/10	V/mA
Maximum Reverse Current	I <sub>R</sub>	5000/75	5000/75	100/50	50/50	100/25	5000/75	100/10	nA/V
Maximum Reverse Recovery Time	t <sub>rr</sub>	4.0	4.0	4.0	2.0	2.0	4.0	4.0	nS
Typical Junction Capacitance	C <sub>J</sub>	4.0							pF
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-65 to +200							°C

NOTE: 1-1N914A, 1N914B IS SAME AS 1N914, EXCEPT DIFFERENT IN FORWARD VOLTAGE:

1N914A-1.0/20 V/mA

1N914B-1.0/100 V/mA

2. Suffix "M" stands for "DO-34" package. (e.g.: 1N4148M)

zakazplat.ru

# RATING AND CHARACTERISTIC CURVES

( 1N914 THRU 1N4148  
1N4454 )

REF: 1N4148

A Admissible repetitive peak forward current versus pulse duration

