

DL4148 THRU DL4454

## TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SWITCHING DIODES

VOLTAGE RANGE – 50 to 100 Volts

CURRENT - 0.15 to 0.2 Ampere

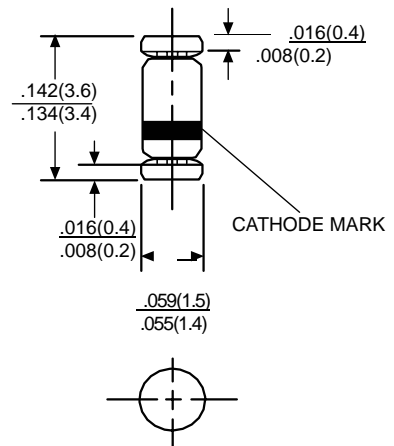
### FEATURES

- \* Low power loss, high efficiency
- \* Low leakage
- \* Low forward voltage drop
- \* High speed switching
- \* High current capability
- \* High reliability

### MECHANICAL DATA

- \* Case: Glass sealed case
- \* Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- \* Polarity: Color band denotes cathode end
- \* Mounting position: Any
- \* Weight: 0.35 gram

DL-35



Dimensions in inches and (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	DL4148	DL4150	DL4151	DL4448	DL4454	
Maximum Recurrent Peak Reverse Voltage	VRRM	100	50	100	50	75	V
Maximum Average Rectified Current	I <sub>o</sub>	150	200	150	150	150	mA
Maximum Power Dissipation T <sub>amb</sub> =25°C	P <sub>tot</sub>	500	500	500	500	500	mW
Maximum Forward Voltage	V <sub>F</sub>	1.0/10	1.0/200	1.0/50	1.0/100	1.0/10	V
Maximum Reverse Current	I <sub>R</sub>	5000/75	100/50	50/50	5000/75	100/10	μA
Maximum Reverse Recovery Time	t <sub>rr</sub>	4.0	4.0	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

# RATING AND CHARACTERISTIC CURVES (DL4148 AND DL4454)

REF: DL4148

A Admissible repetitive peak forward current versus pulse duration

