



DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

DL4148
THRU
DL4454

TECHNICAL SPECIFICATIONS OF HIGH SPEED SWITCHING DIODES

VOLTAGE RANGE - 50 to 100 Volts

CURRENT - 0.15 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

MECHANICAL DATA

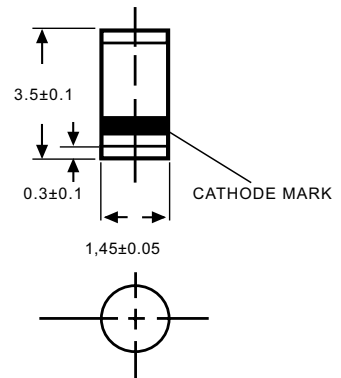
- * Case: Glass sealed case
- * Terminals: Solder plated solderable per MIL-STD-750, Method 2026
- * Polarity: Color band denotes cathode end
- * Mounting position: Any
- * Weight: 0.05 gram

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%.



DL-35

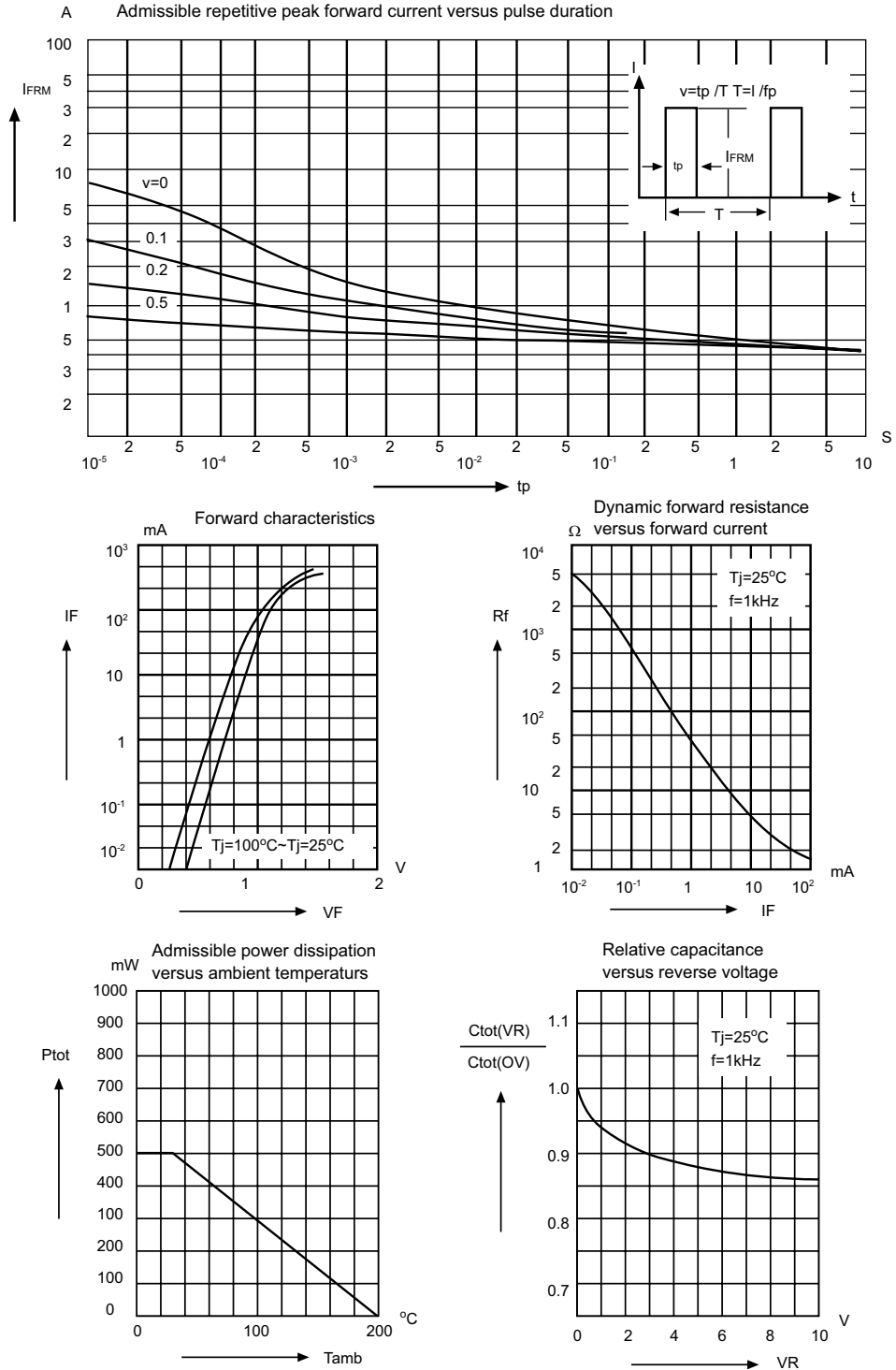


Dimensions in millimeters

	SYMBOL	DL4148	DL4150	DL4151	DL4448	DL4454	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	100	50	100	50	75	V
Maximum Average Rectified Current	I_o	150	200	150	150	150	mA
Maximum Power Dissipation $T_{amb}=25^{\circ}C$	P_{tot}	500	500	500	500	500	mW
Maximum Forward Voltage	V_F	1.0/10	1.0/200	1.0/50	1.0/100	1.0/10	V/mA
Maximum Reverse Current	I_R	5000/75	100/50	50/50	5000/75	100/10	nA/V
Maximum Reverse Recovery Time	t_{rr}	4.0	4.0	2.0	4.0	4.0	nS
Typical Junction Capacitance	C_J	4.0					pF
Operating and Storage Temperature Range	T_J, T_{STG}	-65 to + 200					$^{\circ}C$

RATING AND CHARACTERISTIC CURVES (DL4148 THRU DL4454)

REF: DL4148



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