

RB411VA-50

General rectification

- 1) Small mold type. (TUMD2)
- 2) High reliability.

Silicon epitaxial planar

Technical drawing of the ROHM TMUMD2 LED package, showing top and side views with dimensions.

Top View Dimensions:

- Width: 1.3 ± 0.05
- Height: 2.5 ± 0.2
- Central Square Area: 1.9 ± 0.1
- Bottom Width: 0.8 ± 0.05

Side View Dimensions:

- Maximum Height: 0.17 ± 0.1
- Base Width: 0.6 ± 0.2
- Small Dimension: 0.05

ROHM : TMUMD2

dot (year week factory) + day

Technical drawing of a TUMD2 component. The drawing shows a rectangular component with a width of 1.1 and a total height of 2.0. The height is divided into two segments: 0.8 and 0.5. The component is labeled TUMD2.

Technical drawing of a mechanical part with dimensions and tolerances. The drawing includes a top view, a side view, and a cross-sectional view. Dimensions are given in millimeters (mm) with tolerances.

Top View Dimensions:

- Overall width: 8.0 ± 0.2
- Overall length: 4.0 ± 0.1
- Distance from left edge to first hole center: 1.43 ± 0.05
- Distance between first and second hole centers: 1.43 ± 0.05
- Distance between second and third hole centers: 2.0 ± 0.05
- Distance between third and fourth hole centers: 1.75 ± 0.1
- Distance from right edge to fourth hole center: 1.75 ± 0.1
- Hole diameter: $\phi 1.55 \pm 0.1$
- Distance from left edge to first hole center (alternative): 1.43 ± 0.05
- Distance between first and second hole centers (alternative): 1.43 ± 0.05
- Distance between second and third hole centers (alternative): 2.0 ± 0.05
- Distance between third and fourth hole centers (alternative): 1.75 ± 0.1
- Distance from right edge to fourth hole center (alternative): 1.75 ± 0.1

Side View Dimensions:

- Overall height: 2.8 ± 0.05
- Distance from top edge to first hole center: 1.75 ± 0.1
- Distance from bottom edge to first hole center: 1.75 ± 0.1
- Distance from top edge to second hole center: 1.75 ± 0.1
- Distance from bottom edge to second hole center: 1.75 ± 0.1
- Distance from top edge to third hole center: 1.75 ± 0.1
- Distance from bottom edge to third hole center: 1.75 ± 0.1
- Distance from top edge to fourth hole center: 1.75 ± 0.1
- Distance from bottom edge to fourth hole center: 1.75 ± 0.1

Cross-sectional View Dimensions:

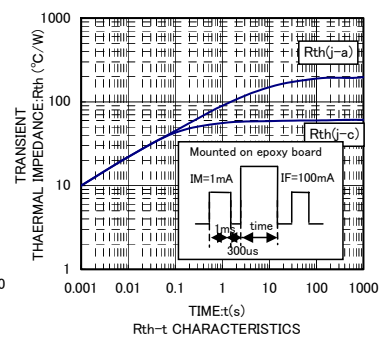
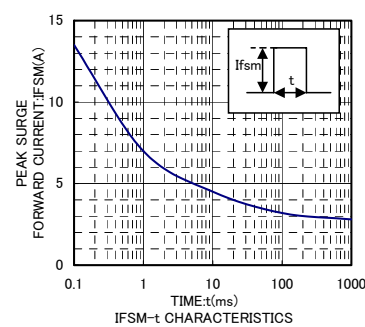
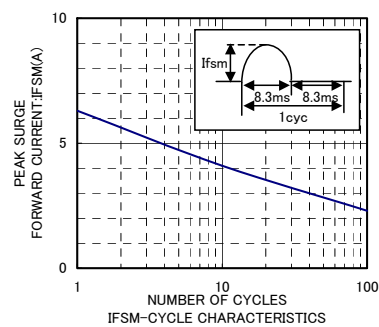
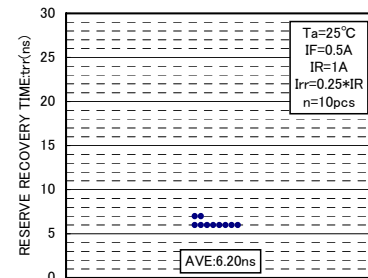
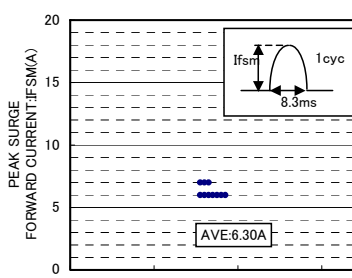
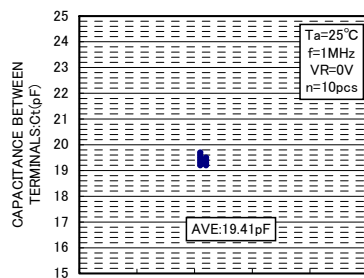
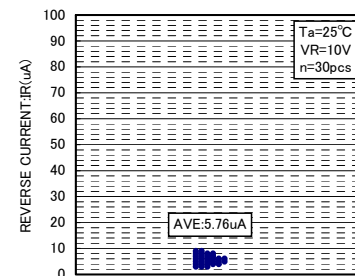
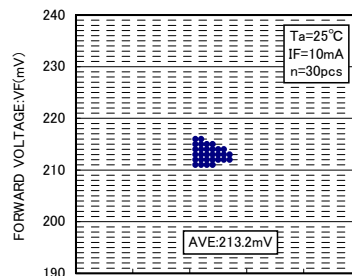
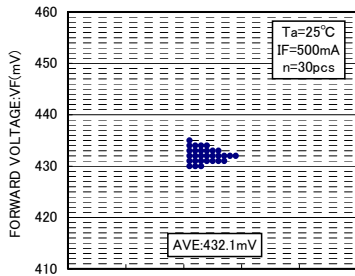
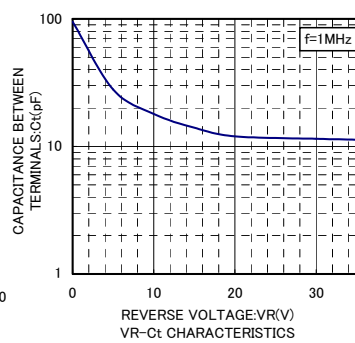
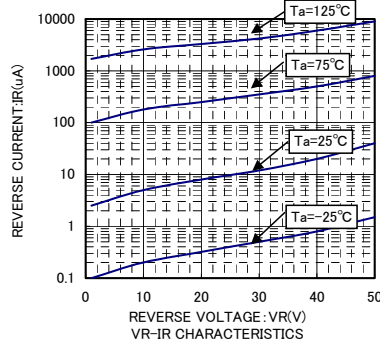
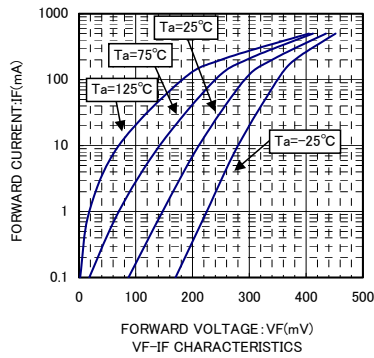
- Overall width: 0.9 ± 0.08
- Distance from top edge to first hole center: 1.75 ± 0.1
- Distance from bottom edge to first hole center: 1.75 ± 0.1
- Distance from top edge to second hole center: 1.75 ± 0.1
- Distance from bottom edge to second hole center: 1.75 ± 0.1
- Distance from top edge to third hole center: 1.75 ± 0.1
- Distance from bottom edge to third hole center: 1.75 ± 0.1
- Distance from top edge to fourth hole center: 1.75 ± 0.1
- Distance from bottom edge to fourth hole center: 1.75 ± 0.1

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	50	V
Reverse voltage (DC)	V_R	20	V
Average rectified forward current	I_O	0.5	A
Forward current surge peak (60Hz·1cyc)	I_{FSM}	3	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

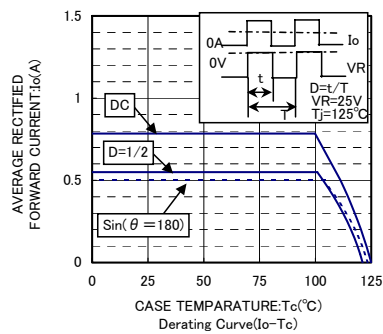
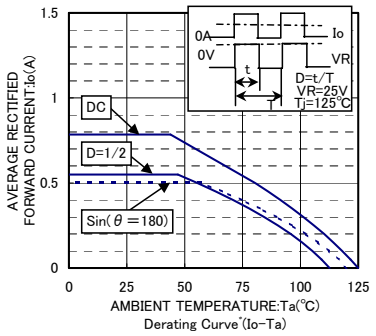
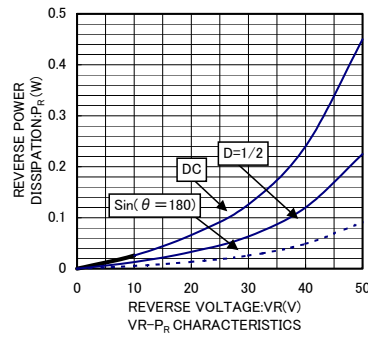
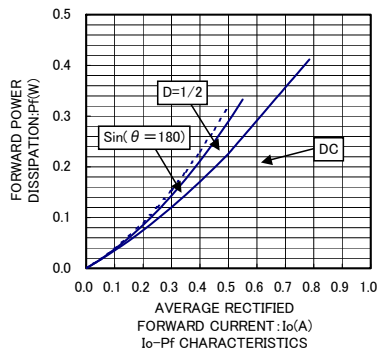
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _{F1}	-	-	0.50	V	I _F =500mA
	V _{F2}	-	-	0.30	V	I _F =10mA
Reverse current	I _R	-	-	30	μA	V _R =10V
Capacitance between terminals	C _t	-	20	-	pF	V _R =10V, f=1MHz

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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