

The documentation and process conversion measures necessary to comply with this document shall be completed by 14 September 2019.

INCH-POUND

MIL-PRF-19500/719D
14 June 2019
SUPERSEDING
MIL-PRF-19500/719C
22 October 2013

PERFORMANCE SPECIFICATION SHEET

* SEMICONDUCTOR DEVICE, DIODE, SILICON, SCHOTTKY RECTIFIER, TYPES 1N6872, 1N6873, 1N6874, AND 1N6875, JANTX, JANTXV, AND JANS

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and [MIL-PRF-19500](#).

1. SCOPE

* 1.1 Scope. This specification covers the performance requirements for silicon, Schottky power surface mount rectifier diodes in a low profile package. Three levels of product assurance (JANTX, JANTXV, and JANS) are provided for each device type as specified in [MIL-PRF-19500](#).

* 1.2 Package outline. The device package outline for this specification sheet is a UTK2 in accordance with [figure 1](#).

1.3 Maximum ratings. Unless otherwise specified $T_C = +25^\circ\text{C}$.

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Types	V_{RWM}	I_O $T_C = +100^\circ\text{C}$	I_{FSM} $t_p = 8.3 \text{ ms}$, $T_C = +25^\circ\text{C}$	$R_{\theta JC}$ (junction to cathode side)	$R_{\theta JC}$ (junction to anode side)	T_{STG} and T_J
	V dc	A dc	A (pk)	$^\circ\text{C/W}$	$^\circ\text{C/W}$	$^\circ\text{C}$
1N6872UTK2, AS, CS	45	25	400	.85	.95	-65 to +175
1N6873UTK2, AS, CS	60	25	400	.85	.95	-65 to +175
1N6874UTK2, AS, CS	80	25	400	.85	.95	-65 to +175
1N6875UTK2, AS, CS	100	25	400	.85	.95	-65 to +175

Comments, suggestions, or questions on this document should be addressed to DLA Land and Maritime, ATTN: VAC, P.O. Box 3990, Columbus, OH 43218-3990, or mailed to Semiconductor@dla.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <https://assist.dla.mil>

AMSC N/A

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