

# SILICON RECTIFIER

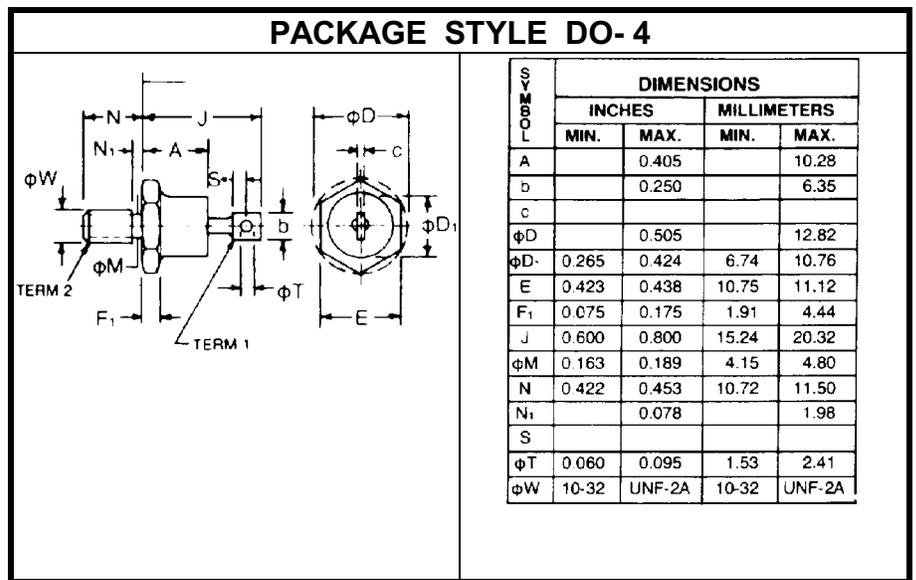
**DESCRIPTION:**

The **1N3673A/RA** is a Medium Current Rectifier for General Purpose Power Supply Applications.

- **1N3673A** = Anode to Stud
- **1N3673RA** = Cathode to Stud

**MAXIMUM RATINGS**

$I_o$	12 A (AVG) @ $T_C = 150\text{ }^\circ\text{C}$
$V_{RRM}$	1000 V
$I_{FSM}$	240 A @ 60 Hz
$T_J$	-65 $^\circ\text{C}$ to +200 $^\circ\text{C}$
$T_{STG}$	-65 $^\circ\text{C}$ to +200 $^\circ\text{C}$
$\theta_{JC}$	2.0 $^\circ\text{C/W}$


**CHARACTERISTICS**  $T_C = 25\text{ }^\circ\text{C}$ 

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
$I_R$	$V_R = 1000\text{ V}$			600	$\mu\text{A}$
$V_{FM}$	$I_{F(AVG)} = 12\text{ A (38A PEAK)}$			1.35	V
$I^2t$	$V_{RRM} = 1000\text{ V}$ $t = 10\text{ mS}$ $T_J = 200\text{ }^\circ\text{C}$			260	$\text{A}^2\text{S}$
$I^2t$	$V_{RRM} = 1000\text{ V}$ $t = 8.3\text{ mS}$ $T_J = 200\text{ }^\circ\text{C}$			240	$\text{A}^2\text{S}$