

SILICON RECTIFIER

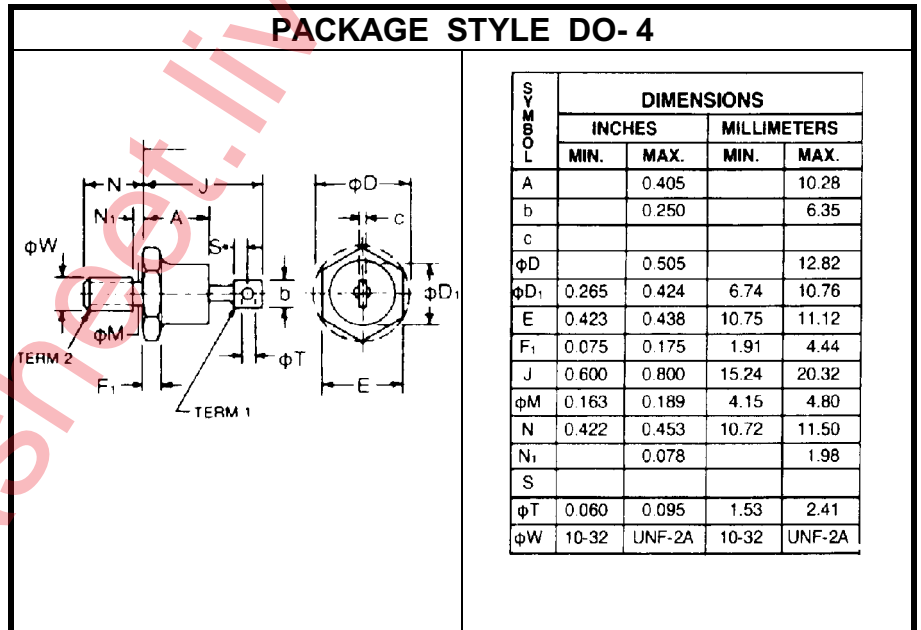
DESCRIPTION:

The **1N1206A/RA** is a Medium Current Rectifiers Designed for General Purpose Power Supply Applications.

- **1N206A** = Anode to Stud
- **1N206RA** = Cathode to Stud

MAXIMUM RATINGS

I_o	12 A @ $T_c = 150^\circ\text{C}$
V_{RWM}	600 V
I_{FSM}	240 A @ 60 Hz
P_{DISS}	88 W
T_J	-65 to +200 °C
T_{STG}	-65 to +200 °C
θ_{JC}	2.0 °C/W


CHARACTERISTICS $T_c = 25^\circ\text{C}$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
I_R	$V_R = 600\text{ V}$		500		μA
I_R	$V_R = 600\text{ V}$			1.0	mA
V_{FM}	$I_{F(AVG)} = 12\text{ A (38 A PEAK)}$			1.35	V
I^2t	$V_{RRM} = 600\text{ V}$ $t = 10\text{ mS}$ $T_J = 200^\circ\text{C}$			260	A^2S
I^2t	$V_{RRM} = 600\text{ V}$ $t = 8.3\text{ mS}$ $T_J = 200^\circ\text{C}$			240	A^2S