

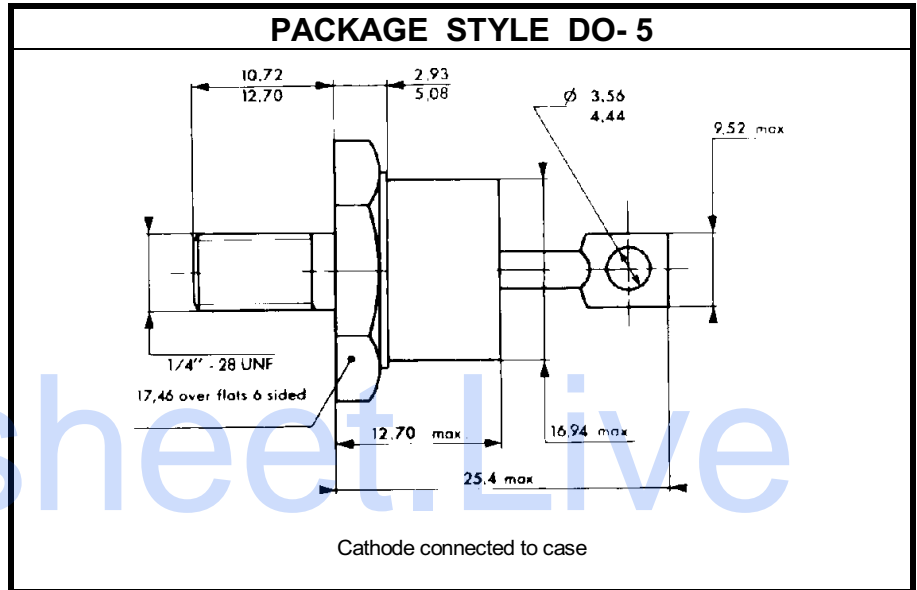
SILICON RECTIFIER

DESCRIPTION:

The **1N1183A** is a General Purpose Rectifier Designed for Power Supply Applications.

MAXIMUM RATINGS

I_o	40 A (AVG) @ $T_C = 150\text{ }^\circ\text{C}$
V_{RWM}	50 V
T_J	-65 to +200 $^\circ\text{C}$
T_{STG}	-65 to +200 $^\circ\text{C}$
θ_{JC}	1.1 $^\circ\text{C/W}$


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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
I_R	$V_R = 50\text{ V}$ $T_C = 150\text{ }^\circ\text{C}$		1.0	2.5	mA
V_F	$I_F = 126\text{ A}$			1.3	V
I_{FSM}	$\frac{1}{2}$ CYCLE (50 Hz) $\frac{1}{2}$ CYCLE (60 Hz)			765 800	A
I^2t	$t = 10\text{ mS}$ $T_C = 150\text{ }^\circ\text{C}$			2900	A^2S
I^2t	$t = 8.3\text{ mS}$ $T_C = 150\text{ }^\circ\text{C}$			2650	A^2S