

SILICON RECTIFIER

DESCRIPTION:

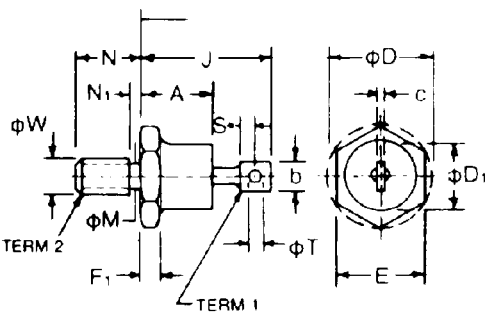
The **1N1202A/RA** is a Medium Current Rectifiers Designed for General Purpose Power Supply Applications.

- **1N1202A** = Anode to Stud
- **1N1202RA** = Cathode to Stud

MAXIMUM RATINGS

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

PACKAGE STYLE DO-4



SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN.	MAX.	MIN.	MAX.
A		0.405		10.28
b		0.250		6.35
c				
ϕD		0.505		12.82
ϕD_1	0.265	0.424	6.74	10.76
E	0.423	0.438	10.75	11.12
F_1	0.075	0.175	1.91	4.44
J	0.600	0.800	15.24	20.32
ϕM	0.163	0.189	4.15	4.80
N	0.422	0.453	10.72	11.50
N_1		0.078		1.98
S				
ϕT	0.060	0.095	1.53	2.41
ϕW	10-32	UNF-2A	10-32	UNF-2A

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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
I_R	$V_R = 200\text{ V}$		500		μA
I_R	$V_R = 200\text{ V}$			1.0	mA
V_{FM}	$I_{F(AVG)} = 12\text{ A (38 A PEAK)}$			1.35	V
I^2t	$V_{RRM} = 200\text{ V}$ $t = 10\text{ mS}$ $T_J = 200^\circ\text{C}$			260	A²S
I^2t	$V_{RRM} = 200\text{ V}$ $t = 8.3\text{ mS}$ $T_J = 200^\circ\text{C}$			240	A²S