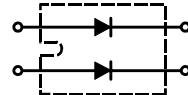


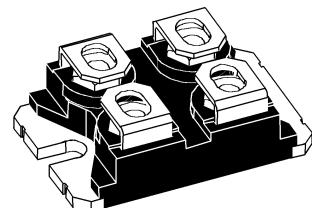
Power Schottky Rectifier

I_{FAVM} = 2x110 A
V_{RRM} = 80 V
V_F = 0.72 V

V _{RSM}	V _{RRM}	Type
V	V	
80	80	DSS 2x111-008A



miniBLOC, SOT-227 B



Symbol	Conditions	Maximum Ratings	
I _{FRMS}		150	A
I _{FAVM}	T _C = 105°C; rectangular, d = 0.5	110	A
I _{FAVM}	T _C = 105°C; rectangular, d = 0.5; per device	220	A
I _{FSM}	T _{VJ} = 45°C; t _p = 10 ms (50 Hz), sine	1400	A
E _{AS}	I _{AS} = 14; L = 180 µH; T _{VJ} = 25°C; non repetitive	19	mJ
I _{AR}	V _A = 1.5 • V _{RRM} typ.; f=10 kHz; repetitive	1.4	A
(dV/dt) _{cr}		tbd	V/µs
T _{VJ}		-40...+150	°C
T _{VJM}		150	°C
T _{stg}		-40...+150	°C
P _{tot}	T _C = 25°C	310	W
V _{ISOL}	I _{ISOL} ≤ 1 mA; 50/60 Hz; t = 1 min	2500	V~
M _d	mounting torque (M4) terminal connection torque (M4)	1.1-1.5/9-13 1.1-1.5/9-13	Nm/lb.in. Nm/lb.in.
Weight	typical	30	g

Symbol	Conditions	Characteristic Values	
		typ.	max.
I _R ①	T _{VJ} = 25°C; V _R = V _{RRM} T _{VJ} = 125°C; V _R = V _{RRM}	8 20	mA mA
V _F	I _F = 100 A; T _{VJ} = 125°C T _{VJ} = 25°C I _F = 200 A; T _{VJ} = 125°C	0.72 0.84 0.94	V V V
R _{thJC}		0.4	K/W
R _{thCH}		0.15	K/W

Pulse test: ① Pulse Width = 5 ms, Duty Cycle < 2.0 %
Data according to IEC 60747 and per diode unless otherwise specified

IXYS reserves the right to change limits, Conditions and dimensions.

Dimensions see pages D2 - 87-88