

HIGH-VOLTAGE RECTIFIER

39 DE 9097250 0002256 9

Unit in mm

S5106

20kV 3A

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V _{RRM}	20	kV
Non-Repetitive Peak Reverse Voltage	V _{FSM}	40	kV
Average Forward Current	I _{F(AV)}	3	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	50 (5 Cycle)	A
		120 (1 Cycle)	
Ambient Temperature (Note 2)	T _a	-40~50	°C
Storage Temperature Range	T _{stg}	-40~100	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} =7.5A, T _a =25°C	-	45	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} =20kV, T _j =25°C	-	500	μA
		V _{RRM} =20kV, T _j =100°C	-	800	μA

Notes : 1. Operated in insufficient ventilation or closed to each other forced air is required.

2. See I_{F(AV)} - T_a MAX curve in case of ambient temperature 50°C up.