



Surface Mount Ultra Fast Recovery Rectifier

Features

- Low profile package
- Ideal for automated placement
- Glass passivated chip junction
- High forward surge capability
- Super Fast reverse recovery time
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

Typical Applications

For use in high frequency rectification of power supplies, inverters, converters, and freewheeling diodes for consumer, and telecommunication.

Mechanical Data

- Package:** DO-214AC (SMA)
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity:** Cathode line denotes the cathode end

Maximum Repetitive Peak Reverse Voltage	VRRM	V	5	15	20	25	30	35	40	50
Maximum RMS Voltage	VRMS	V	5	15	20	25	30	35	40	50
Maximum DC Blocking Voltage	VDC	V	5	15	20	25	30	35	40	50
Average rectified output current 4 * 1/2 sine wave Resistance load Z TL (FIG.1)	I _O	A	2							
Forward Surge Current (Non-repetitive) 4 * 1/2 Half-sine wave 1 cycle T ^ 1 25	I _{FSM}	A	50							
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			100							
Current squared time @1ms t 8.3ms Tj=25	I ² t	A ² s	10.375							
Storage temperature	T _{stg}		-55 ~ +150							
Junction temperature	T _j		-55 ~ +150							

Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	UG2AA	UG2BA	UG2CA	UG2DA	UG2FA	UG2GA	UG2HA	UG2JA
Maximum instantaneous forward voltage	V _{FF}										
			T _j =125				50				



UG2AA THRU UG2JA

UG2AA THRU UG2JA
