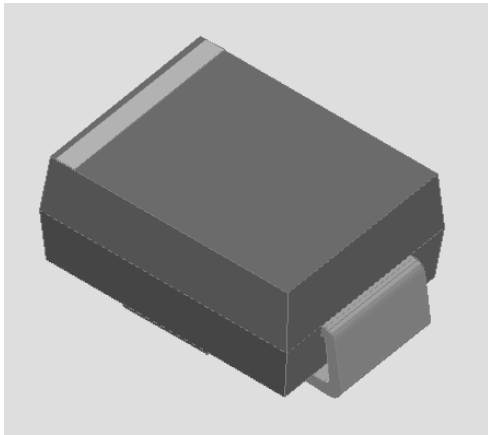
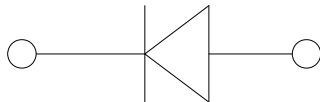




- Low profile package
- Ideal for automated placement
- Glass passivated chip junction
- High forward surge capability
- Super Fast reverse recovery time
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260°C
- Part no. with suffix "Q" means AEC-Q101 qualified

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



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

■ (Ta=25 Unless otherwise specified)

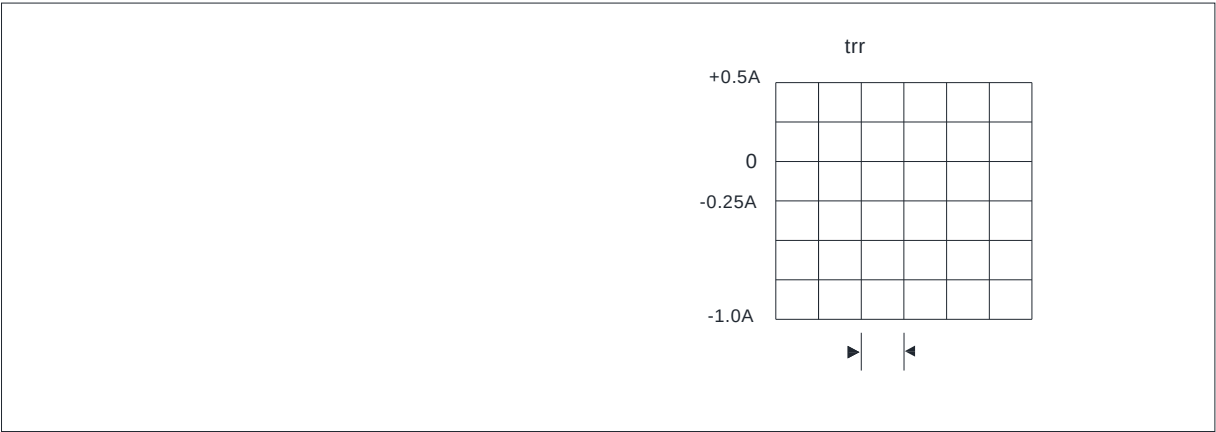
Device marking code			UG2A	UG2B	UG2C	UG2D
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	50	100	150	200
Maximum RMS Voltage	V_{RMS}	V	35	70	105	140
Maximum DC blocking Voltage	V_{DC}	V	50	100	150	200
Average rectified output current @60Hz sine wave, resistance load, T_L (Fig.1)	I_O	A	2.0			
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_J=25$	I_{FSM}	A	50			
Current squared time @1ms≤t≤8.3ms $T_J=25$	I^2t	A ² s	10.375			
Storage temperature	T_{stg}		-55 ~ +150			
Junction temperature	T_J		-55 ~ +150			



■

Ta





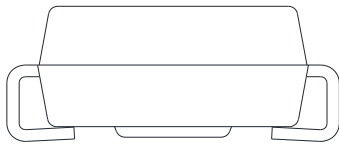
(Example)

UG2AQ-UG2DQ	F1	Approximate 0.1	3000	48000	13" reel





D'



Dim	Min	Max
A	1.85	2.15
B	3.30	3.94
C	4.05	4.75
D	1.99	2.61
E	5.21	5.59
F	0.90	1.41
G	0.05	0.20
H	0.15	0.31

Dim	Millimeters
P1	6.8
P2	4.3
P3	1.8
Q1	2.5
Q2	2.3



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1.0	Add Datasheet	2-Apr-22