

Features

- Low forward voltage
- Low reverse current



DFN1608-2C



RoHS
COMPLIANT



Schematic Diagram

Maximum Ratings (T_A=25°C unless otherwise noted)

Parameter	Symbol	Values	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	30	V
Average Rectified Forward Current	I _{F(AV)}	2	A
Peak Forward Surge Current 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	28	A
Operating Junction Temperature	T _J	125	°C
Storage Temperature Range	T _{STG}	-65 To +150	°C

Electrical Characteristics (T_A=25°C unless otherwise noted)

Parameter	Test Conditions	Symbol	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage	I _R =150μA	V _{BR(R)}	30	-	-	V
Forward Voltage	I _F =0.1A	V _F	-	-	0.32	V
	I _F =1A		-	-	0.43	
	I _F =2A		-	-	0.53	
DC Reverse Current	V _R =10V	I _R	-	-	50	μA
	V _R =30V		-	-	150	
Junction Capacitance	4.0V, 1 MHz	C _J	-	500	-	pF

Ratings and Characteristics Curves

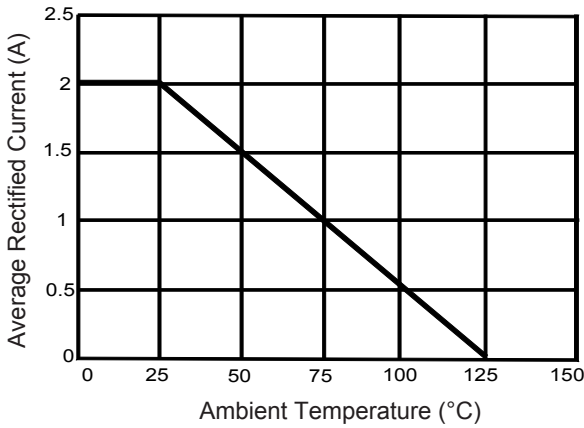


Figure 1. Average Rectified Current Derating Curve

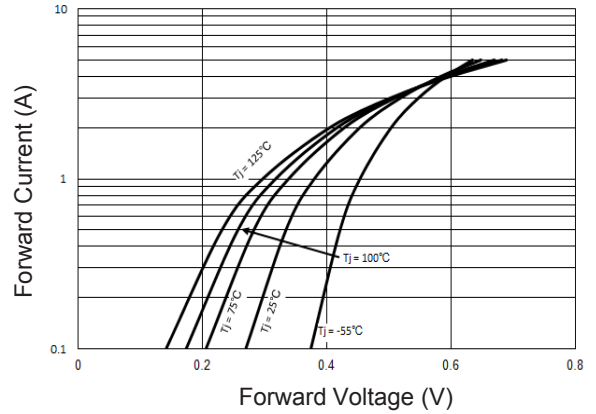


Figure 2. Forward Characteristics Curve

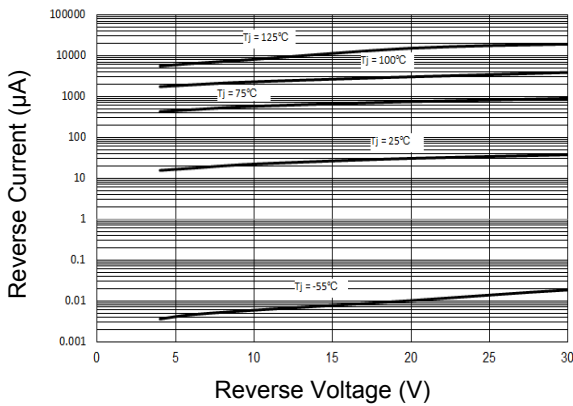


Figure 3. Reverse Characteristics Curve

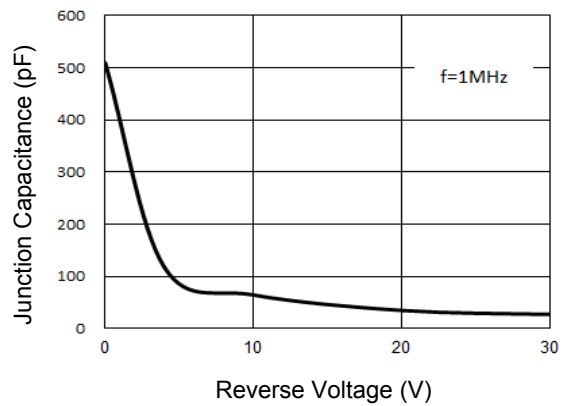
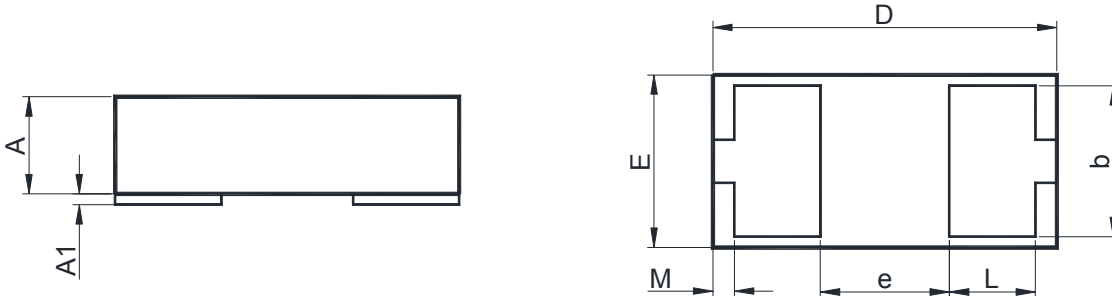


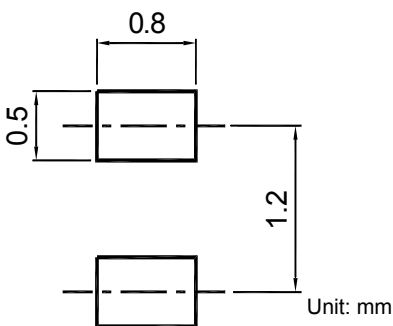
Figure 4. Typical Junction Capacitance

Package Outline Dimensions (DFN1608-2C)



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.450	0.550	0.018	0.022
A1	0.000	0.050	0.000	0.002
b	0.650	0.750	0.026	0.030
D	1.550	1.650	0.061	0.065
E	0.750	0.850	0.030	0.033
e	0.680	0.770	0.027	0.030
L	0.250	0.450	0.010	0.018
M	0.070	0.100	0.003	0.004

Recommended Pad Layout



Order Information

Device	Package	Marking	Carrier	Quantity
GSKP0230S	DFN1608-2C	SV	Tape & Reel	4,000pcs / Reel