

DESCRIPTION

The GLF2204 is an integrated Over voltage protection (OVP) power switch. There are external and internal OVP thresholds. The device provides more protection features which are under voltage lockout, programmable current and thermal shutdown.

The external OVP threshold is adjusted by an external resistor divider from 4.5 V to 9 V. The device has an internal fixed OVP threshold voltage when the OVLO pin voltage is lower than an external OVP set threshold voltage (V_{OVP_TH}). When an input voltage of V_{IN} exceeds the over voltage threshold, the GLF2204 will be turned off immediately to isolate the system from the input source.

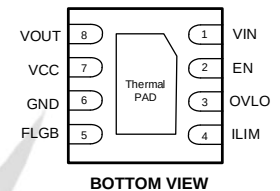
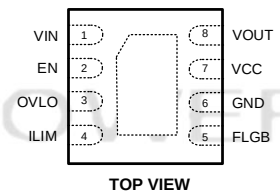
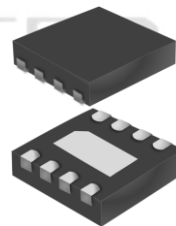
FEATURES

- Supply Voltage Range: 3.5 V to 9 V
- Integrated Over Voltage Protection Threshold
 - Internal Fixed 6.85 V Typ.
 - Programmable OVP from 4.5 V to 9 V
- Low R_{ON} : 188 m Ω Typ at 5 V_{IN}
- Low I_Q : 80 μ A at 5 V_{IN}
- Under Voltage Lockout
- Programmable Over Current Protection
 - From 300 mA to 2 A
- Active Low FLGB Indication
- Thermal Shutdown Protection
- Internal 19 ms Recovery Delay after Protection

APPLICATIONS

- Smart Portable Devices
- Low Power Sub-systems
- Smartphones and Tablets
- USB Power System
- IP Camera

PACKAGE

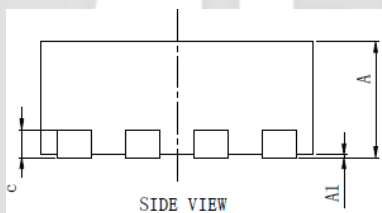
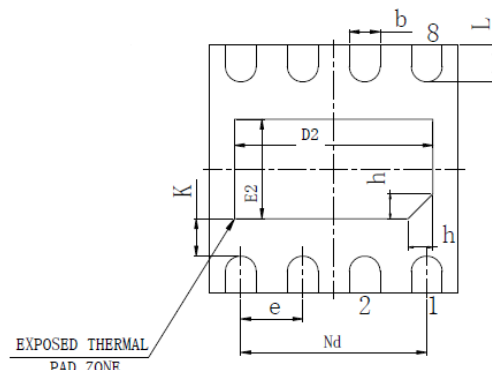
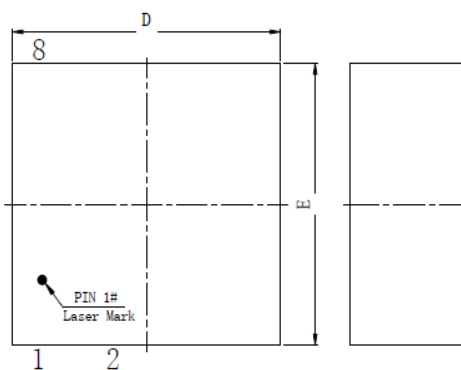


2 mm x2 mm DFN-8L

ORDERING INFORMATION

Part Number	Top Mark	R_{ON} (Typ) at 5 V_{IN}	Over Current Protection Behavior	EN Activity	Package
GLF2204-D2G7	FN	188 m Ω	Latch off	Low	DFN 2x2-8L

PACKAGE OUTLINE.



SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	0.80	0.85	0.90
A1	0	0.02	0.05
b	0.20	0.25	0.30
c	0.203REF		
D	1.95	2.00	2.05
D2	1.55	1.60	1.65
Nd	1.50BSC		
e	0.50BSC		
E	1.95	2.00	2.05
E2	0.75	0.80	0.85
L	0.25	0.30	0.35
K	0.25	0.30	0.35
h	0.20REF		

Notes

1. ALL DIMENSIONS ARE IN MILLIMETERS (ANGLES IN DEGREES).
2. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1994.

Recommended Footprint

