

## DESCRIPTION

The GLF2201 is an integrated over voltage protection (OVP) power switch. It has under voltage lockout, output short circuit and over temperature protection functions. The device has an internal fixed OVP threshold, and a programmable OVP threshold that can be programmed by an external resistor divider on OVLO pin. When the input voltage is higher than the OVP threshold, the internal main FET is turned off immediately to isolate the downstream loads from input power supply. The GLF2201 restore on after the input voltage lower than the OVP threshold. The device has an internal 8 ms recovery time before the device fully restore on.

The GLF2201 is available in the 2 mm x 2mm DFN package with 6 leads.

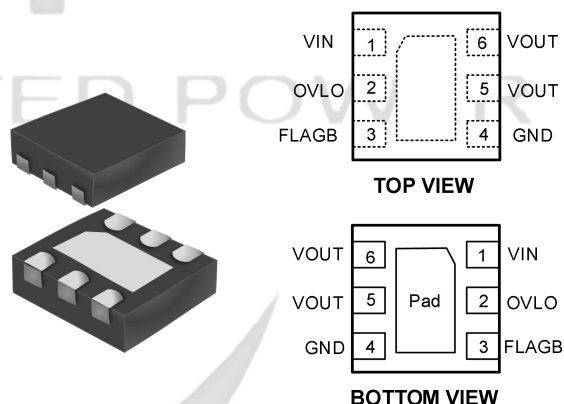
## FEATURES

- Supply Voltage Range: 3 V to 9 V  
12 V<sub>ABS</sub>
- Integrated Over Voltage Protection Threshold
  - Internal Fixed 6.8 V Typ.
  - Programmable OVP from 4 V to 7 V
- I<sub>OUT</sub> Max: 3 A Output Current Capability
- Low R<sub>ON</sub>: 42 mΩ Typ at 5 V<sub>IN</sub>
- Low I<sub>Q</sub>: 77 μA at 5 V<sub>IN</sub>
- Under Voltage Lockout
- Short Circuit Protection
- Active Low FLAGB Indication
- Thermal Shutdown Protection
- Internal 8 ms Recovery Delay after Protection

## APPLICATIONS

- Smart Portable Devices
- Low Power Sub-systems
- Smartphones and Tablets

## PACKAGE

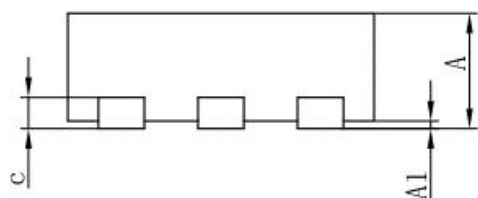
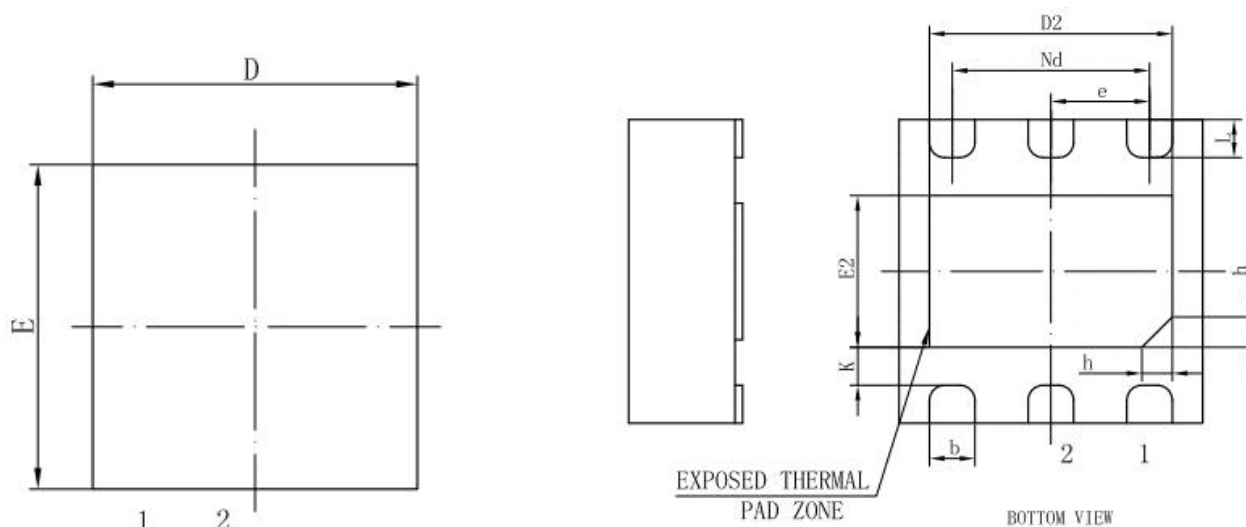


2 mm x 2 mm DFN-6L

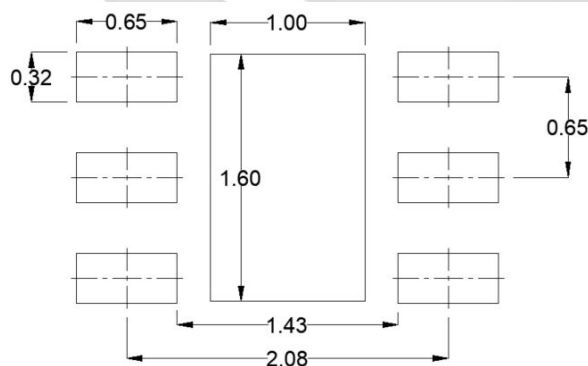
## ORDERING INFORMATION

Part Number	Top Mark	R <sub>ON</sub> (Typ) at 5 V <sub>IN</sub>	Package
GLF2201-D2G7	FM	42 mΩ	2 mm x 2 mm DFN-6L

## PACKAGE OUTLINE



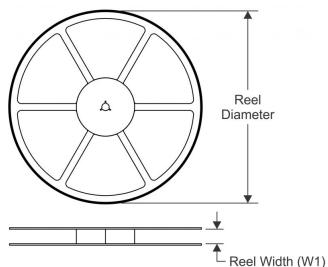
### Recommended Footprint



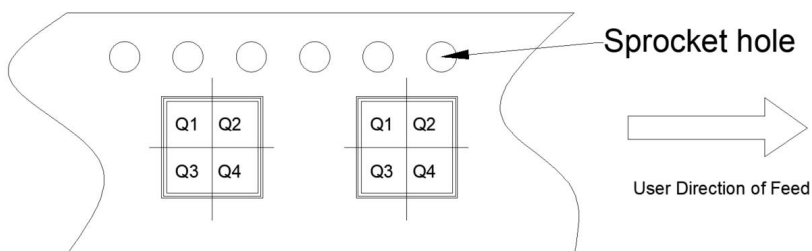
SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	0.70	0.75	0.80
A1	0	0.02	0.05
b	0.25	0.30	0.35
c	0.18	0.20	0.25
D	1.90	2.00	2.10
D2	1.50	1.60	1.70
e	0.65BSC		
Nd	1.30BSC		
E	1.90	2.00	2.10
E2	0.90	1.00	1.10
K	0.20	—	—
L	0.20	0.25	0.30
h	0.15	0.20	0.25

## TAPE AND REEL INFORMATION

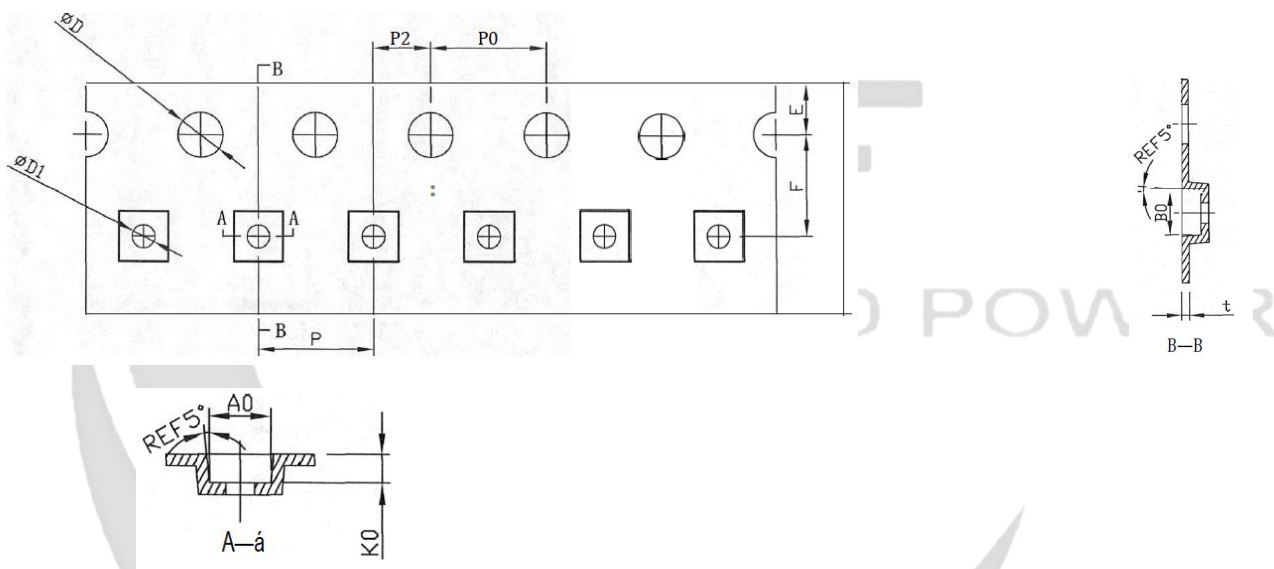
### REEL DIMENSIONS



### QUADRANT ASSIGNMENTS PIN 1 ORIENTATION TAPE



### TAPE DIMENSIONS



Device	Package	Pins	SPQ	Reel Diameter (mm)	Reel Width W1	A0	B0	K0	P	W	Pin1
GLF2201-D2G7	DFN2x2	6	3000	178	8.6	2.15	2.15	0.88	4	8	Q1

Remark:

A0: Dimension designed to accommodate the component width

B0: Dimension designed to accommodate the component length

C0: Dimension designed to accommodate the component thickness

W: Overall width of the carrier tape

P1: Pitch between successive cavity centers