

DESCRIPTION

The GLF2351B and GLF2353B are advanced technology fully integrated power switch for applications required precision output current limiting. The GLF2351B and GLF2353B features also various protection functions such as under voltage lockout, reverse current blocking (RCB), short circuit protection, and thermal shutdown.

The GLF2351B and GLF2353B provide a built-in output voltage slew rate control to limit the inrush current and voltage surges. The FLGB output pin can be used to send a signal of fault events to the system controller. The integrated thermal shutdown (TSD) insures complete protection for the switch during output current limit and short circuit conditions. The GLF2351B and GLF2353B are ideal switch for USB power supply.

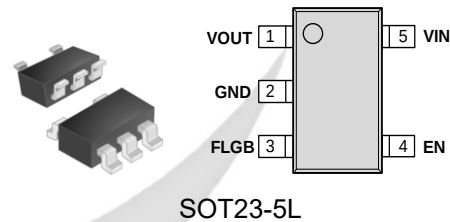
FEATURES

- Input Range: 2.5 V to 5.5 V
- Fixed Constant Output Current Limit, 2.55 A Typ
- Low R_{ON} : 40 m Ω Typ. at 5 V_{IN}, GLF2351B
53 m Ω Typ. at 5 V_{IN}, GLF2353B
- Ultra-Low I_Q : 17 μ A Typ. at 5 V_{IN}
- Ultra-Low I_{SD} : 60 nA Typ. at 5 V_{IN}
- Under Voltage Lockout Protection
- Output Voltage Slew Rate Control
- Reverse Current Blocking Protection
- Short Circuit Protection
- Deglitched Fault Flag Indication
- Integrated Output Discharge Switch
- Thermal Shutdown Protection
- IEC 62368-1: 2018 CB Certification
No. SG SGS-00506

APPLICATIONS

- USB ports
- Notebooks
- Telecom Systems

PACKAGE

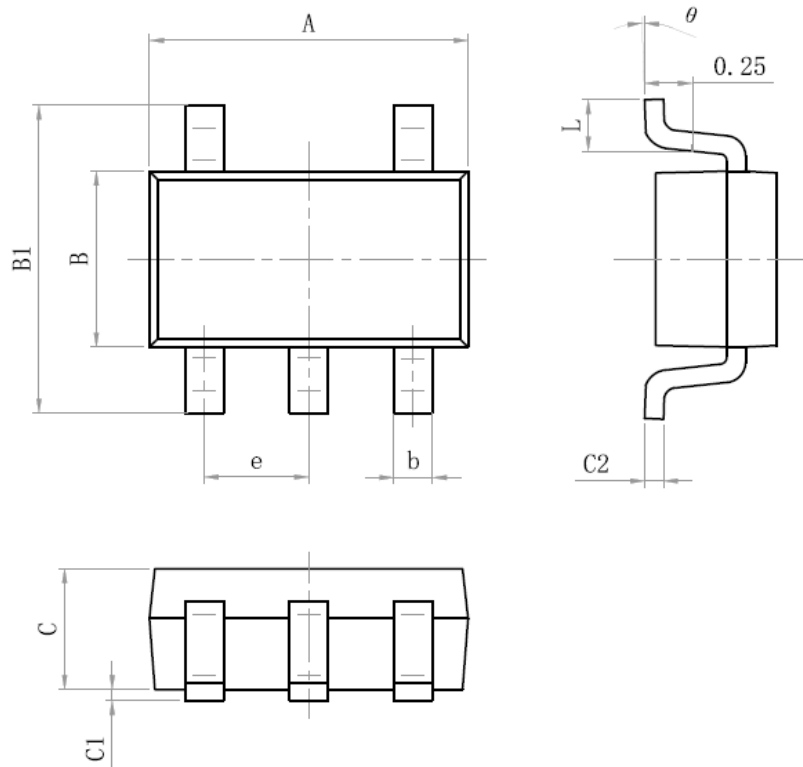


DEVICE ORDERING INFORMATION

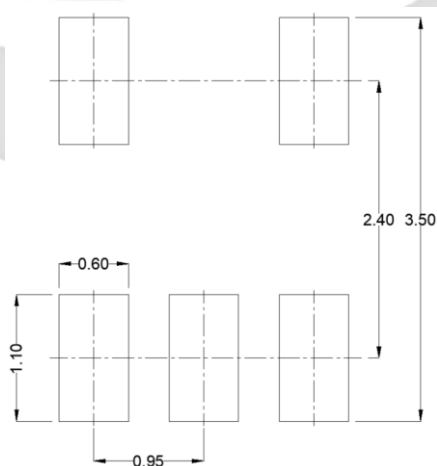
Part Number	Top Mark	Ron (Typ) at 5V	Current Limit ILIM	Short Circuit Protection behavior	Output Discharge	EN Activity	Package
GLF2351B-T1G7	JF	40 m Ω	2.55 A Fixed	Latch off	300 Ω	High	SOT23-5L
GLF2353B-T1G7	GN	53 m Ω		Auto retry	97 Ω	High	SOT23-5L

PACKAGE OUTLINE

Size Mark	Min (mm)	Max (mm)	Size Mark	Min (mm)	Max (mm)
A	2.82	3.02	C	1.05	1.15
e	0.95 (BSC)		C1	0.03	0.15
b	0.28	0.45	C2	0.12	0.23
B	1.50	1.70	L	0.35	0.55
B1	2.60	3.00	θ	0°	8°

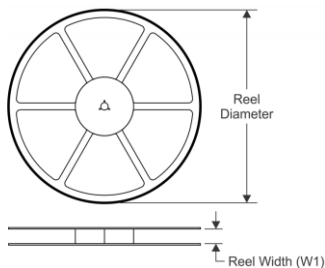


Recommended Footprint

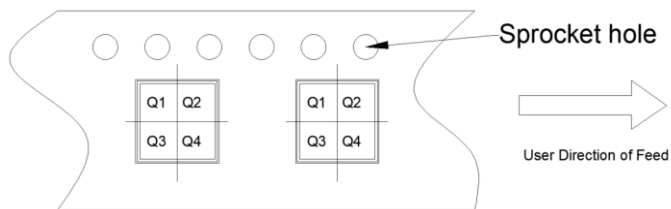


TAPE AND REEL INFORMATION

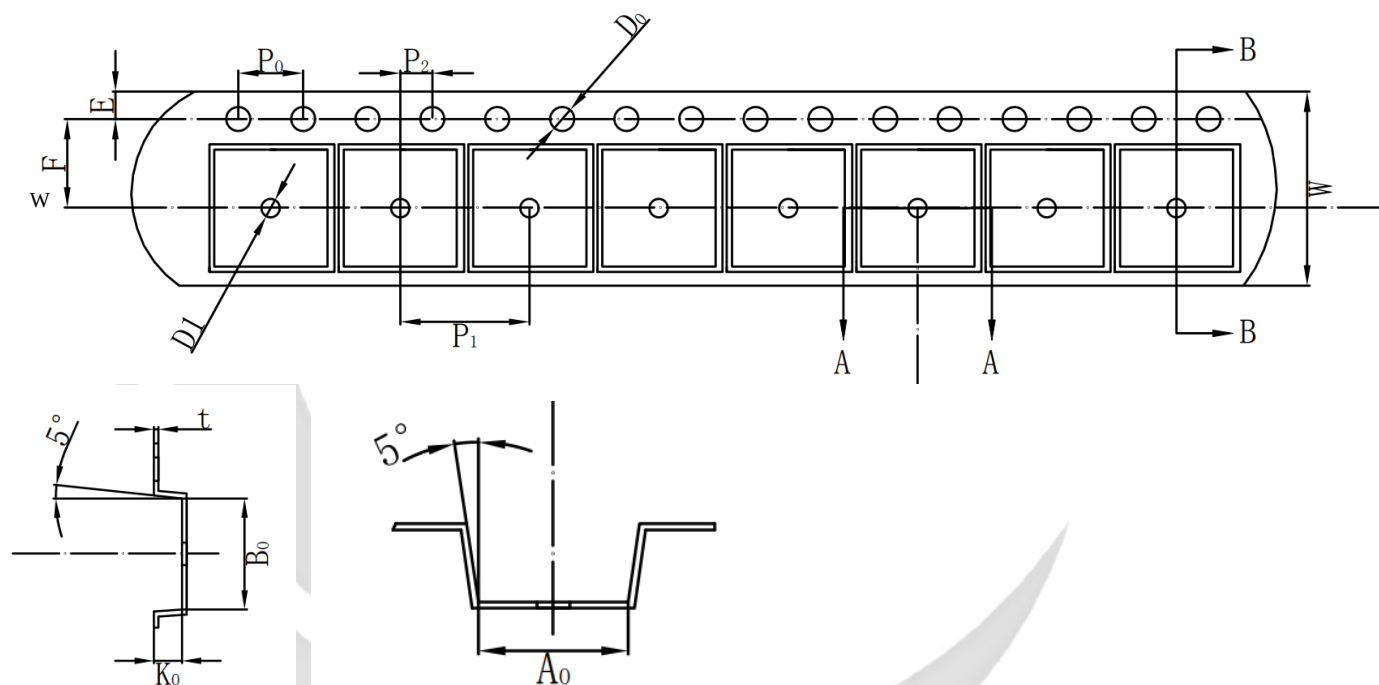
REEL DIMENSIONS



QUADRANT ASSIGNMENTS PIN 1 ORIENTATION TAPE



TAPE DIMENSIONS



Device	Package	Pins	SPQ	Reel Diameter (mm)	Reel Width W1	A0	B0	K0	P1	W	Pin1
GLF2351B-T1G7	SOT23-5	5	3000	178	9	3.25	3.30	1.38	4	8	Q3
GLF2353B-T1G7	SOT23-5	5	3000	178	9	3.25	3.30	1.38	4	8	Q3

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