

GLF79110

Ultra-low Quiescent Current Linear Voltage Regulator

DESCRIPTION

The GLF79110 are a family of ultra-efficient I_{QSmart}^{TM} low dropout regulators designed for wearables and IoT devices which require ultra-low quiescent current.

The GLF79110 provides up to 150 mA output current with typical quiescent current of only 0.8 μA . In shutdown mode, the GLF79110 only draws a typical 4 nA from the supply. The typical dropout voltage is 62 mV or less in each output voltage rating.

The GLF79110 also provides short circuit current limiting of 250 mA and fast transient response from zero to maximum load. The combination of low power, protection features and small size make the GLF79110 ideal for portable and battery powered applications.

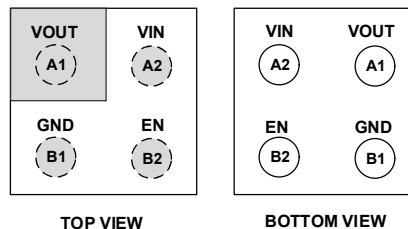
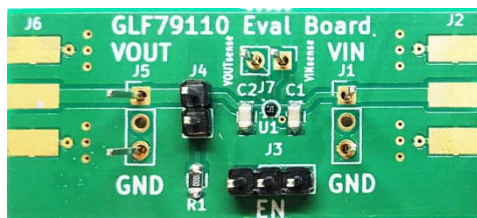
FEATURES

- Ultra-Low Quiescent Current, I_{Q} :
 - 0.8 μA Typ @ no load
- Ultra-Low Shutdown Current, I_{SD} :
 - 10 nA Max @ $V_{OUT(NOM)} + 1\text{ V}$
- Output Voltage Accuracy: $\pm 2.5\%$
- Low Dropout: 62 mV Typ at 150 mA
- 150 mA Guaranteed Output Current
- Over Current Protection and Current Foldback
- Compatible with Ceramic Capacitor
- Operating Temperature Range: -40 to $85\text{ }^{\circ}\text{C}$
- HBM: 6 kV, CDM: 2 kV
- Ultra-Small: 0.97 mm x 0.97 mm WLCSP

PRODUCT TABLE

Part Number	Top Mark	Output Voltage	Package	Tape and Reel Packaging
GLF79110-18AS	BP	1.8	0.97 mm x 0.97 mm x 0.55 mm WLCSP	3000 Pieces on 7 inch reel
GLF79110-28AS	BQ	2.8		
GLF79110-30AS	BR	3.0		

EVALUATION BOARD & DEVICE PACKAGE



Pin #	Name	Description
A1	VOUT	Regulator Output.
A2	VIN	Regulator Input. Supply voltage for IC.
B1	GND	Ground
B2	EN	Enable to control regulator output. Active High