
MAX6012/MAX6021/MAX6025/ MAX6030/MAX6041/MAX6045/MAX6050

Precision, Low-Power, Low-Dropout,
SOT23-3 Voltage References

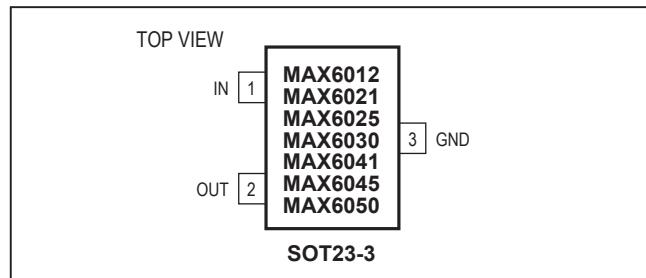
Turn-On Time

These devices typically turn on and settle to within 0.1% of their final value; 30 μ s to 220 μ s depending on the device. The turn-on time can increase up to 1.5ms with the device operating at the minimum dropout voltage and the maximum load.

Positive and Negative Low-Power Voltage Reference

Figure 1 shows a typical method for developing a bipolar reference. The circuit uses a MAX681 voltage doubler/inverter charge-pump converter to power an ICL7652, thus creating a positive as well as a negative reference voltage.

Pin Configuration

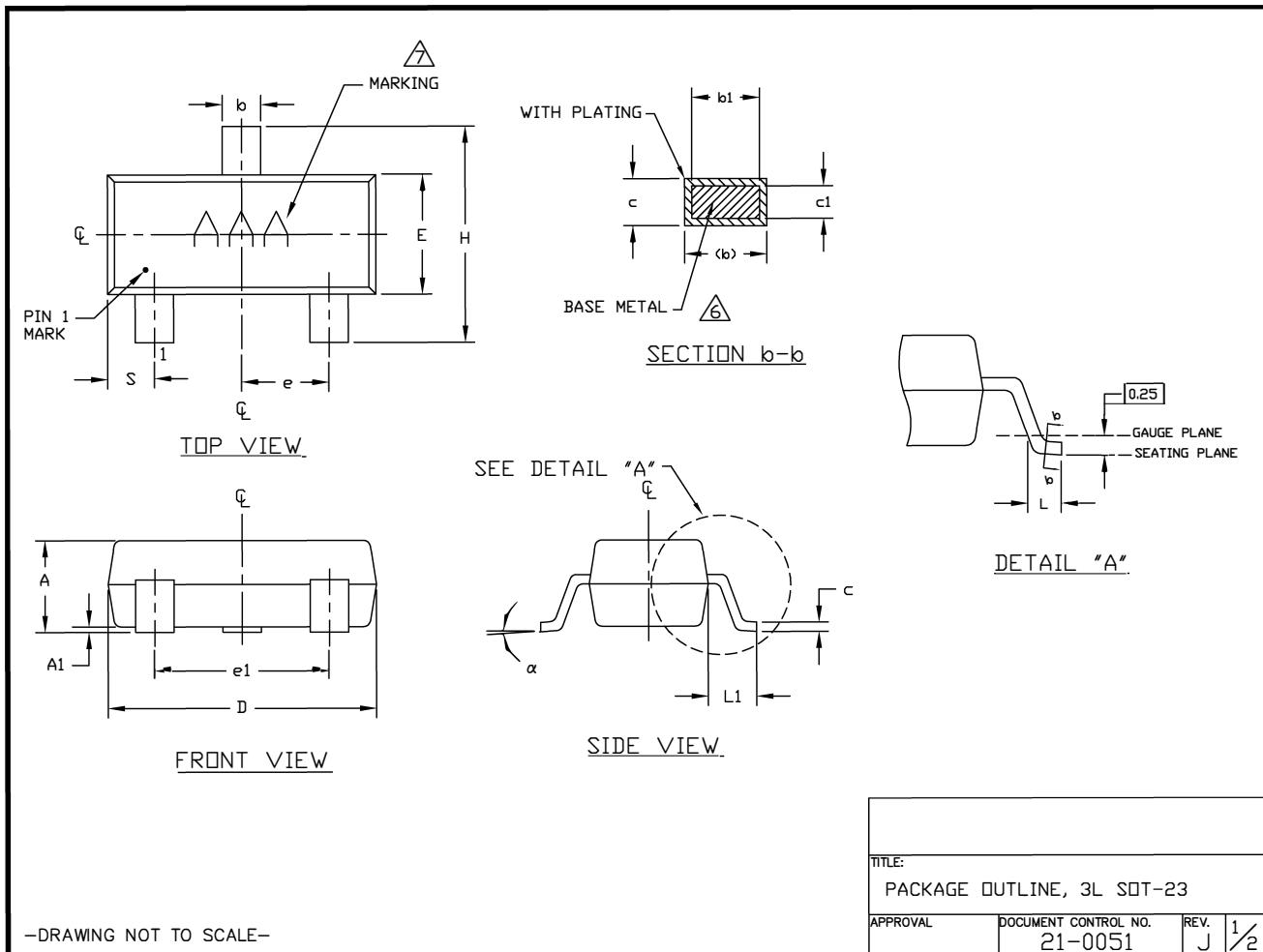


Chip Information

TRANSISTOR COUNT: 70

Package Information

For the latest package outline information and land patterns (footprints), go to www.maximintegrated.com/packages. Note that a “+”, “#”, or “-” in the package code indicates RoHS status only. Package drawings may show a different suffix character, but the drawing pertains to the package regardless of RoHS status.



Revision History

REVISION NUMBER	REVISION DATE	DESCRIPTION	PAGES CHANGED
4	11/22	Updated <i>data sheet title</i> , <i>Ordering Information</i> , <i>Electrical Characteristics—MAX6045</i> , <i>Electrical Characteristics—MAX6045</i> , and <i>Electrical Characteristics—MAX6050</i>	1, 6, 7, 8

