

PCN Number:	20180416000	PCN Date:	April 18, 2018
Title:	Datasheet for DRV110		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



DRV110

SLVSBA8G – MARCH 2012 – REVISED MARCH 2018

Changes from Revision F (March 2017) to Revision G	Page
• Changed the maximum supply limited by the Zener diode from 15 V to V_{ZENER}	1
• Deleted <i>virtual</i> from the operating junction temperature and changed its maximum value from 125°C to 150°C in the <i>Absolute Maximum Ratings</i> table.....	5
• Added the temperature range for the parameters in the <i>Recommended Operating Conditions</i> table, add the V_S parameter, and updated the V_{IN} and I_Q parameters.....	5
• Deleted the solenoid inductance parameter from the <i>Recommended Operating Conditions</i> table.....	5
• Deleted the I_{VIN} test condition from the gate drive voltage parameter in the <i>Electrical Characteristics</i> table.....	8
• Changed the parameter names for V_{PEAK} and V_{HOLD} in the <i>Electrical Characteristics</i> table.....	8
• Added the input pulldown resistance parameter in the <i>Electrical Characteristics</i> table.....	8
• Added the <i>DRV110 Current Control with Varying OUT Duty Cycle</i> image to the <i>PWM Current Control</i> section.....	10
• Changed the R_{PEAK} value for $I_{PEAK} = 450$ mA from 50 k Ω to 55 k Ω in the <i>Configuring Peak and Hold Currents</i> section.....	10
• Changed the <i>Configuring Peak and Hold Currents</i> section and <i>PEAK and HOLD Mode V_{REF} Settings</i> image (which is now named I_{PEAK} and I_{HOLD} settings for $R_{SENSE} = 1 \Omega$).....	11
• Changed the <i>Voltage Supply and Integrated Zener Diode</i> section. Added the V_{ZENER} Value table and changed the R_S equation to specify calculations for $R_{S,MAX}$ and $R_{S,MIN}$	12
• Deleted the <i>Default Configuration</i> schematic.....	14
• Added the <i>Current Limiting Resistor Selection</i> and <i>Passives Selection</i> sections in the <i>Detailed Design Procedure</i>	15
• Changed the value of R_{PEAK} from 303 k Ω to 400 k Ω in the <i>Application Curve</i>	17

The datasheet number will be changing.

Device Family	Change From:	Change To:
DRV110	SLVSBA8F	SLVSBA8G

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/DRV110>

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.

Changes to product identification resulting from this PCN:

None.

Product Affected:

DRV110APWR	DRV110PWR		
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For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
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