

## Product Change Notice

Issue Date: 08-February-2023

**Change Description:**

Introduction of minimum framerate specification limit into datasheets for AFBR-S50 product family

**Parts Affected:**

- AFBR-S50MV68B
- AFBR-S50MV85G
- AFBR-S50MV85I
- AFBR-S50LV85D
- AFBR-S50LX85D

**Description and Extent of Change:**

In current datasheets there was no minimum framerate specification limit defined. For framerates below 5 Hz in combination with device software versions v1.3.5 and below, there is no full functionality within specifications guaranteed. Therefore a minimum framerate specification limit of 5 Hz was introduced with additional note d.) to ensure full functionality during operation.

Current							New						
No minimum framerate defined as specification limit:							Min. framerate of 5 Hz defined as specification limit:						
Frame Rate (All Pixels, Maximum Tint 20 $\mu$ s)	$f_{frame\_max}$	—	100	1000	Hz	d	Frame Rate (All Pixels, max. $t_{int}$ 20 $\mu$ s)	$f_{frame\_max}$	5	100	1000	Hz	d, e
Frame Rate (16 Pixels, Maximum Tint 10 $\mu$ s)	$f_{frame\_max}$	—	100	2000	Hz	e	Frame Rate (16 Pixels, max. $t_{int}$ 10 $\mu$ s)	$f_{frame\_max}$	5	100	2000	Hz	d, f
Frame Rate (8 Pixels, Tint Maximum 5 $\mu$ s)	$f_{frame\_max}$	—	100	3000	Hz	f	Frame Rate (8 Pixels, $t_{int}$ max. 5 $\mu$ s)	$f_{frame\_max}$	5	100	3000	Hz	d, g

**Reasons for Change:**

Ensure optimum operation for all firm- and software updates.

**Effect of Change on Fit, Form, Function, Quality, or Reliability:**

There is no change to the hardware of the device and no change of fit, form or reliability.

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Please contact your Broadcom field sales engineer or Contact Center for any questions or support requirements. Please acknowledge the receipt of the notice within 30 days of delivery. Lack of acknowledgement within 30 days constitutes acceptance of the change per JEDEC J-STD-046.