

PCN-259463
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:	
Frame Rate (All Pixels, Maximum Tint 20 μ s)	f_{frame_max} — 100 1000 Hz d
Frame Rate (16 Pixels, Maximum Tint 10 μ s)	f_{frame_max} — 100 2000 Hz e
Frame Rate (8 Pixels, Tint Maximum 5 μ s)	f_{frame_max} — 100 3000 Hz f
Min. framerate of 5 Hz defined as specification limit:	
Frame Rate (All Pixels, max. t_{Tint} 20 μ s)	f_{frame_max} 5 100 1000 Hz g
Frame Rate (16 Pixels, max. t_{Tint} 10 μ s)	f_{frame_max} 5 100 2000 Hz d.f
Frame Rate (8 Pixels, t_{Tint} max. 5 μ s)	f_{frame_max} 5 100 3000 Hz 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.

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.