

## Product Change Notice

Issue Date: 23-November-2021

**Change Description:**

New version of Rx-IC and PCB

**Parts Affected:**

AFBR-5972Z

PCB Material change and Design improvement  
New version of Rx-IC with built-in Photodiode  
Update of datasheet

**IC change influences datasheet values:**

Parameter	Current	New
Module Supply current	Typical (90mA)/Max (120mA)	Typical (85mA)/Max (110mA)
Assert input power level	-29.5 dBm (typical)	-31 dBm (typical)
De-assert input power level	-31 dBm (typical)	-33 dBm (typical)
Signal Detect Hysteresis (between assert and de-assert)	1dB (typical)	2dB (typical)
Rx Data Output rise time	2.8 ns (typical)	0.7 ns (typical)
Rx Data Output fall time	2.8 ns (typical)	0.7 ns (typical)

**Reasons for Change:**

PCB material supplier change due to improved availability. Design change for improved heat conductance.

New version of Rx-IC with minor improvements to streamline production and improve IC availability.

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

Improved product reliability. Effects on function of the device are described above. No effect on compatibility with existing products.

Reliability tests have been performed successfully and are still ongoing to ensure product reliability.

**Effective Date of Change:**

Product shipments using this change will begin after March 1<sup>st</sup> 2022. Timing of shipment of the changed part will vary by part number depending on qualification completion, customer demand, and inventory levels.



**Qualification Data:**

Qualification data will be available upon request.

**Recommended Action to be Taken by Customer:**

- 1) Please return any questions as soon as possible, but not to exceed 30 days.
- 2) Sample requests must specify the PCN # stated above and shall be placed by your Broadcom Sales contact.

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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.