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14 April 2022

Dear Customer

We have been notified by Titan Opto that their chip supplier for 5mm LEDs parts **LMR53DB** and **LMR53WB** have made the chips EOL with immediate effect. The LEDs will now be manufactured using the latest chip revision. They will retain the same form and fit but there is a very slight change to the specification and an increase in MCD performance ratings.

Please see the following tables for the old and new specifications for each LED:

LMR53DB

Old

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=20mA	30.0	75.0		mcd
Forward Voltage	Vf	If=20mA		1.8	2.2	V
Peak Wavelength	λp	If=20mA		660		nm
Dominant Wavelength	λd	If=20mA		643		nm
Reverse (Leakage) Current	Ir	Vr=4V			100	μA
Viewing Angle	2θ 1/2	If=20mA		40		deg
Spectrum Line Halfwidth	Δλ	If=20mA		20		nm

New

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=20mA	62.2	130		mcd
Forward Voltage	Vf	If=20mA		1.9	2.4	V
Peak Wavelength	λp	If=20mA		660		
Dominant Wavelength	λd	If=20mA		640		nm
Reverse (Leakage) Current	Ir	Vr=5V			100	μA
Viewing Angle	2θ 1/2	If=20mA		35		deg
Spectrum Line Halfwidth	Δλ	If=20mA		20		nm

Cont..

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Old

LMR53WB

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=20mA	135	300		mcd
Forward Voltage	Vf	If=20mA		1.8	2.2	V
Peak Wavelength	λp	If=20mA		660		nm
Dominant Wavelength	λd	If=20mA		643		nm
Reverse (Leakage) Current	Ir	Vr=4V			100	μA
Viewing Angle	2θ 1/2	If=20mA		20		deg
Spectrum Line Halfwidth	Δλ	If=20mA		20		nm

New

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=20mA	300	700		mcd
Forward Voltage	Vf	If=20mA		1.9	2.4	V
Peak Wavelength	λp	If=20mA		660		
Dominant Wavelength	λd	If=20mA		640		nm
Reverse (Leakage) Current	Ir	Vr=5V			100	μA
Viewing Angle	2θ 1/2	If=20mA		15		deg
Spectrum Line Halfwidth	Δλ	If=20mA		20		nm

Attached is a copy of the new **LMR53DB** and **LMR53WB** datasheets for reference.

Anglia operates a strict FIFO system in our Distribution Centre facility; therefore, it may take time for this change to filter through to customer deliveries of the above part number(s).

Please make the relevant person(s) in your organisation aware of this change.

Yours Sincerely

Anglia