



PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1026

Issue Date: 3/6/2024

Parts Affected	Old Rev.	New Rev.
OR1-10.0-RED-F4P	A	B
OR1-10.0-RED-F4P-2	A	B
OR1-10.0-RED-F4P-4	A	B
OR1-10.0-RED-F4P-5	A	B
OR1-10.0-RED-F4P-6	A	B
OR1-10.0-RED-F4P-9	A	B
OR2-6.0-RED-F6PD67PR	A	B
OR2-6.0-RED-F6PZ67PR	A	B
OR2-6.0-YLW-F6PD67PR	A	B
OR2-6.0-YLW-F6PZ67PR	A	B
OR3-6.0-RED-F6PD67PR	A	B
OR3-6.0-RED-F6PZ67PR	A	B
OR3-6.0-RED-F9PD67PR	A	B
OR3-6.0-RED-F9PZ67PR	A	B
OR3-6.0-YLW-F6PD67PR	A	B
OR3-6.0-YLW-F6PZ67PR	A	B
OR3-6.0-YLW-F9PD67PR	A	B
OR3-6.0-YLW-F9PZ67PR	A	B
ORFLP1-RED	B	C
ORFLP1-YLW	B	C
ORFLP2-RED	B	C
ORFLP2-YLW	B	C
ORFLP3-RED	A	B
ORFLP3-YLW	A	B
R13-10.0-RED	E	F
R13-8.0-RED	E	F
R1R-1.2-RED-ASSEMBLY	C	D
R2F-12.0-RED	C	D
R2F-20.0-RED	C	D

These changes have been reviewed and approved by Bivar management per Bivar Procedure: Engineering Change Order and Part Change Notification, SOP-040, SOP-ENG-045

Please contact Bivar Inc. at www.bivar.com/contact or speak to a Bivar representative for any questions or support requirements within 30 days of issue date.

BV00-Q465 REV 92122



PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1026

Issue Date: 3/6/2024

Parts Affected	R2F-24.0-RED	Old Rev.	C	New Rev.	D
	R2F-4.0-RED		C		D
	R2F-8.0-RED		C		D
	R2LC-1.4-RED		C		D
	R2LC-1.4-YLW		C		D
	R2LC-1.5-RED		C		D

Change Will Affect: LED optical, electrical and mechanical characteristics.

Description of change: Changes on LEDs are reflected in **Red** as shown in the table below. The current part numbers are being discontinued in accordance with *EOL-1003*.

	Part Number	Forward Voltage	Abs. Power Dissipation	Abs. Forward Current	Wave Solder Temp	Forward Current (Typ)	Dominant Wavelength	Luminous Intensity	View Angle 2θ 1/2 (deg)
New	R20GRN-V-0025	2.6 ~ 3.4Vdc	120 mW	20 mA	260°C Max - 3 Sec	10-20mA	517 ~ 527 nm	20,000 ~ 40,000 mcd	25
Current	R20GRN-V-3045	3.0 ~ 3.8Vdc	220 mW	50 mA	260°C Max, < 5 Sec	20 mA	516 ~ 526 nm	6,000 ~ 8,000 mcd	30/45
New	R50RED-4-0030	1.8 ~ 2.4Vdc	60 mW	30 mA	260°C Max - 3 Sec	10-20mA	617 ~ 627 nm	2,500 ~ 3,000 mcd	30
Current	R50RED-4-0045	1.8 ~ 2.6Vdc	140mW	80 mA	260°C Max, < 5 Sec	50 mA	620 ~ 635 nm	12,000 ~ 18,000 mcd	45
New	R50RED-F-0120	1.8 ~ 2.4Vdc	60 mW	30 mA	260°C Max - 3 Sec	10-20mA	617 ~ 627 nm	400 ~ 600 mcd	120
Current	R50RED-F-0160	1.8 ~ 2.6Vdc	140mW	80 mA	260°C Max, < 5 Sec	50 mA	620 ~ 635 nm	500 ~ 1,000 mcd	160
New	R50RED-V-0025	1.8 ~ 2.4Vdc	120 mW	50 mA	260°C Max - 3 Sec	50mA Max	617 ~ 627 nm	15,000 ~ 30,000 mcd	25
Current	R50RED-V-3045	1.8 ~ 2.6Vdc	140mW	80 mA	260°C Max, < 5 Sec	50 mA	620 ~ 635 nm	6,000 ~ 10,000 mcd	30/45
New	R50YLW-4-0030	1.8 ~ 2.4Vdc	60 mW	30 mA	260°C Max - 3 Sec	10-20mA	588 ~ 596 nm	3,000 ~ 4,000 mcd	30
Current	R50YLW-4-0045	1.8 ~ 2.6Vdc	140mW	80 mA	260°C Max, < 5 Sec	50 mA	588 ~ 596 nm	12,000 ~ 18,000 mcd	45
New	R50YLW-5-0090	1.8 ~ 2.4Vdc	60 mW	30 mA	260°C Max - 3 Sec	10-20mA	588 ~ 596 nm	1,500 ~ 2,000 mcd	90
Current	R50YLW-5-0080	1.8 ~ 2.6Vdc	140mW	80 mA	260°C Max, < 5 Sec	50 mA	588 ~ 596 nm	1,500 ~ 3,000 mcd	80
New	R50YLW-F-0120	1.8 ~ 2.4Vdc	60 mW	30 mA	260°C Max - 3 Sec	10-20mA	588 ~ 596 nm	400 ~ 600 mcd	120
Current	R50YLW-F-0160	1.8 ~ 2.6Vdc	140mW	80 mA	260°C Max, < 5 Sec	50 mA	588 ~ 596 nm	800 ~ 1,000 mcd	160
New	R50YLW-V-0025	1.8 ~ 2.4Vdc	120 mW	50 mA	260°C Max - 3 Sec	50mA Max	588 ~ 596 nm	15,000 ~ 30,000 mcd	25
Current	R50YLW-V-3045	1.8 ~ 2.6Vdc	140mW	80 mA	260°C Max, < 5 Sec	50 mA	588 ~ 596 nm	4,000 ~ 6,000 mcd	30/45

Effective Date of Change: March 6, 2024.

Reason for Change: New chips are being used due to chip obsolescence.

These changes have been reviewed and approved by Bivar management per Bivar Procedure: Engineering Change Order and Part Change Notification, SOP-040, SOP-ENG-045

Please contact Bivar Inc. at www.bivar.com/contact or speak to a Bivar representative for any questions or support requirements within 30 days of issue date.

BV00-Q465 REV 92122



PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1026

Issue Date: 3/6/2024

Appendix:

Changes on LEDs will be reflected on the assembly items below. Changes on assembly items are the same as their component item. Please refer to the changes highlighted in red in the table above.

Assembly Item	Obsolete Component Item	New Component Item
OR2-6.0-RED-F6PD67PR	R50RED-4-0045	R50RED-4-0030
OR2-6.0-RED-F6PZ67PR	R50RED-4-0045	R50RED-4-0030
OR3-6.0-RED-F6PD67PR	R50RED-4-0045	R50RED-4-0030
OR3-6.0-RED-F6PZ67PR	R50RED-4-0045	R50RED-4-0030
OR3-6.0-RED-F9PD67PR	R50RED-4-0045	R50RED-4-0030
OR3-6.0-RED-F9PZ67PR	R50RED-4-0045	R50RED-4-0030
OR4-6.0-RED-F9PD67PR	R50RED-4-0045	R50RED-4-0030
OR4-6.0-RED-F9PZ67PR	R50RED-4-0045	R50RED-4-0030
ORFLP1-RED	R50RED-4-0045	R50RED-4-0030
ORFLP2-RED	R50RED-4-0045	R50RED-4-0030
ORFLP3-RED	R50RED-4-0045	R50RED-4-0030
R13-10.0-RED	R50RED-4-0045	R50RED-4-0030
R13-8.0-RED	R50RED-4-0045	R50RED-4-0030
R2F-12.0-RED	R50RED-4-0045	R50RED-4-0030
R2F-20.0-RED	R50RED-4-0045	R50RED-4-0030
R2F-24.0-RED	R50RED-4-0045	R50RED-4-0030
R2F-4.0-RED	R50RED-4-0045	R50RED-4-0030
R2F-8.0-RED	R50RED-4-0045	R50RED-4-0030
R2LC-1.4-RED	R50RED-4-0045	R50RED-4-0030
R2LC-1.5-RED	R50RED-4-0045	R50RED-4-0030
OR2-6.0-YLW-F6PD67PR	R50YLW-4-0045	R50YLW-4-0030
OR2-6.0-YLW-F6PZ67PR	R50YLW-4-0045	R50YLW-4-0030
OR3-6.0-YLW-F6PD67PR	R50YLW-4-0045	R50YLW-4-0030
OR3-6.0-YLW-F6PZ67PR	R50YLW-4-0045	R50YLW-4-0030
OR3-6.0-YLW-F9PD67PR	R50YLW-4-0045	R50YLW-4-0030
OR3-6.0-YLW-F9PZ67PR	R50YLW-4-0045	R50YLW-4-0030
OR4-6.0-YLW-F9PD67PR	R50YLW-4-0045	R50YLW-4-0030
OR4-6.0-YLW-F9PZ67PR	R50YLW-4-0045	R50YLW-4-0030
ORFLP1-YLW	R50YLW-4-0045	R50YLW-4-0030
ORFLP2-YLW	R50YLW-4-0045	R50YLW-4-0030
ORFLP3-YLW	R50YLW-4-0045	R50YLW-4-0030
R2LC-1.4-YLW	R50YLW-4-0045	R50YLW-4-0030

These changes have been reviewed and approved by Bivar management per Bivar Procedure: Engineering Change Order and Part Change Notification, SOP-040, SOP-ENG-045

Please contact Bivar Inc. at www.bivar.com/contact or speak to a Bivar representative for any questions or support requirements within 30 days of issue date.

BV00-Q465 REV 92122