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6800177 - VG5R Ballast Board

[Click here](#) for VG5R Operation Manual.

[Click here](#) for VG5R Schematics with test points.

Overview

6800177-VG5R Ballast Board Out of Warranty. Last date of Mfg October 2019.

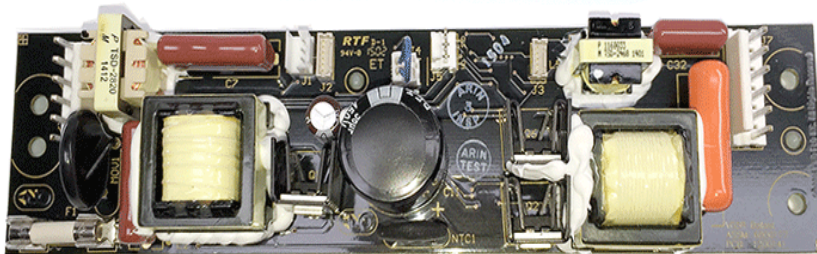
Used in Universal products and all Image 47, 87 Universal and non-Universal products:

**BAL-427-120U, BAL-427-230U, BAL-457-120U, BAL-457-230U,
 BAL-227-120U, BAL-227-230U, BAL-127-120U, BAL-127-230U,
 IMG-47X-120, IMG-47X-230, IMG-47X-120U, IMG-47X-230U,
 IMG-87X-120, IMG-87X-230, IMG-87X-120U, IMG-87-230U**

Manufacturing started October 2013.

2 Year Warranty – Based on 4 digit date code.
 First 2 digits is week of manufacturing, second 2 digits is year of manufacturing.
 For example, "4013" was manufactured the 40th week of 2013.

VG5R Ballast Board (Part # 6800177) Top View



VG5R Ballast Board (Part # 6800177) Bottom View



↑
 Model #
 &
 Date Code

	MODEL: VGS1000E177 PART#: 6800177 SERIAL: 4013-4474	PFC 0.96, Regulated Class P Input: 100-240VAC 50/60Hz Temperature Protection Power Factor: 0.95 (min)	12.7(217) 7.5W 82.5A 14.4(121) 4.5W 3A 14.4(121) 3.0W 3A 14.4(121) 3.0W 4A	Input: 120V, 240V Max. Input Current: 8.0A Power Factor: 0.95 (min)	Input: 120V, 240V Max. Input Current: 8.0A Power Factor: 0.95 (min)
	MADE IN USA Cert'n: USA 541077-2-14 © 1999 KINO FLO				



Shorting plug, part # 6350014 (included with VG5R) is used on all Non-DMX products. Remove shorting plug #6350014 on DMX products. See VG5R Operation Manual for more information.



HO/STD shorting plug, part # 6350006, (sold separately), must be used on non-HO/STD products (DMX or non-DMX) for proper ballast operation. In most cases, the shorting plug may be removed from the ballast card that is being replaced.

Electrical Components (VG5R)

Board Location	Kino Flo Part #s	Description	Component Value	UM	Qty/Board
D3, D12, D15, D16, D18	1050056	Diode Rectifier SMA	US1M 1A 1kV		5
D21	1050065	Diode Rectifier SMA	HS2A 1.5A 1kV	EA	1
F1	1300019	Ceramic Fuse (5x20mm)	3.15A 250V Slo Blo	EA	1
F1A, F1B	1330002	Fuse Clip Holder 5x20	3518P	EA	2
Q1, Q2, Q6	1080029	N Channel D Mosfet	IPP50R299CP	EA	3
R18, R19	1030319	Resistor - 2512	0.56 Ohms	EA	2
J4	6350014	Local Test Jumper	-	EA	1