RC15WXXX Triac

Constant Current & Dimmable Driver

Model: RC10WXXX Triac
RC15WXXX Triac

Model	Output Current (230V Full Load)	Input Current (230V Full Load)	Input Power (230V Full Load)	Output Power Range	PF (Full Load)	Efficiency (Full Load)	Output Voltage	No load Voltage
RC10W180 Triac	180mA	0.1A	14W	6.48-9W	0.92	80%	36-50V	65V
RC10W200 Triac	200mA	0.1A	14W	7.2-10W	0.92	80%	36-50V	65V
RC10W250 Triac	250mA	0.1A	14W	6.75-10W	0.92	80%	27-40V	55V
RC10W300 Triac	300mA	0.1A	14W	5.7-9WW	0.92	80%	19-30V	45V
RC10W350 Triac	350mA	0.1A	14W	6.65-9.8W	0.92	80%	19-28V	40V
RC10W400 Triac	400mA	0.1A	14W	5.2-8.4W	0.92	80%	13-21V	35V
RC10W450 Triac	450mA	0.1A	14W	5.85-9.45W	0.92	80%	13-21V	35V
RC10W500 Triac	500mA	0.1A	14W	6.5-10W	0.92	80%	13-20V	35V
RC10W550 Triac	550mA	0.1A	14W	4.4-7.15W	0.92	78%	8-13V	25V
RC10W600 Triac	600mA	0.1A	14W	4.8-7.8W	0.92	78%	8-13V	25V
RC10W650 Triac	650mA	0.1A	14W	5.2-8.45W	0.92	78%	8-13V	25V
RC10W700 Triac	700mA	0.1A	14W	5.6-9.1W	0.92	78%	8-13V	25V
RC15W300 Triac	300mA	0.12A	19W	10.8-15W	0.92	82%	36-50V	65V
RC15W350 Triac	350mA	0.12A	19W	9.45-14.7W	0.92	82%	27-42V	55V
RC15W400 Triac	400mA	0.12A	19W	10.8-15.6W	0.92	82%	27-39V	55V
RC15W450 Triac	450mA	0.12A	19W	8.55-13.5W	0.92	82%	19-30V	45V
RC15W500 Triac	500mA	0.12A	19W	9.5-15W	0.92	82%	19-30V	45V
RC15W550 Triac	550mA	0.12A	19W	10.45-15.4W	0.92	82%	19-28V	45V
RC15W600 Triac	600mA	0.12A	19W	7.8-12.6W	0.92	81%	13-21V	35V
RC15W650 Triac	650mA	0.12A	19W	8.45-13.65W	0.92	81%	13-21V	35V
RC15W700 Triac	700mA	0.12A	19W	9.1-14.7W	0.92	81%	13-21V	35V

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1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP44
	Insulation Class	Class Ⅱ
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Frequency	50/60Hz
	Input Current	≤0.12A (198VAC，full load)
	Input Power	≤ 19W (230VAC，full load)
	Power Factor	≥0.92 (230VAC，full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤10A/400us (230VAC, Full-load)
	Connected quantity of 16A Breaker	22pcs/type B ; 36pcs/type C @ 230Vac
Output	Current Accuracy	±5%
	Max. Output Power	15W
	Started Delay Time	≤0.5S (230VAC，full load)
	Current Ripple	±5%（Imax-Imin）/（Imax+Imin）
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	I/P to O/P , 3.75KVac/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250μA
Environment	Ta/Operation Temperature	-20….+60℃
	Ts/Storage Temperature	-25….+85℃
	Tc/Enclosure Temperature	90℃
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Direct Lead
	Installation	Build-in
	PRI Wire preparation	0.5-1.5□
	SEC Wire preparation	0.5-1.5□
	Dimension	Φ50X21mm (R*H)
Standards	Certification	TUV、CE、SAA
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017,EN62493:2015, AS/NZS IEC61347.2.13:2013, AS/NZS 61347.1:2016
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014,EN61000-3-3:2013,EN61547:2009

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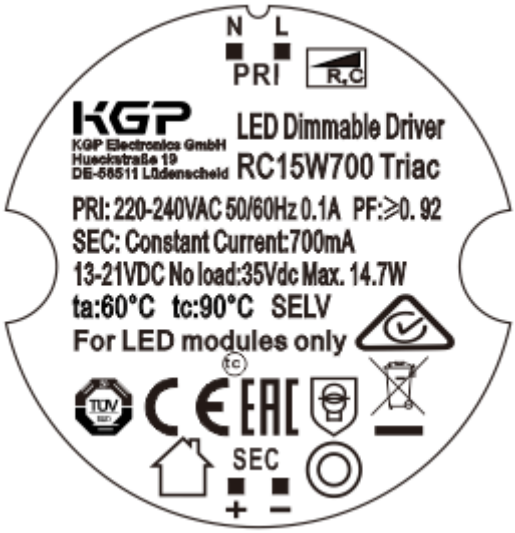
	Performance	EN62384
	Surge	L-N/ 2KV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h 60℃ (Ta) / @90℃ (Tc)
	Warranty	5years ， F.R. < 10000ppm
Remark: 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ ambient temperature. 2.LED Driver is a component of the luminaires. Luminaires and wire layout will affect the EMC, please check the EMC with end products again.		

2. Trailing Edge Dimmer list approved by KGP

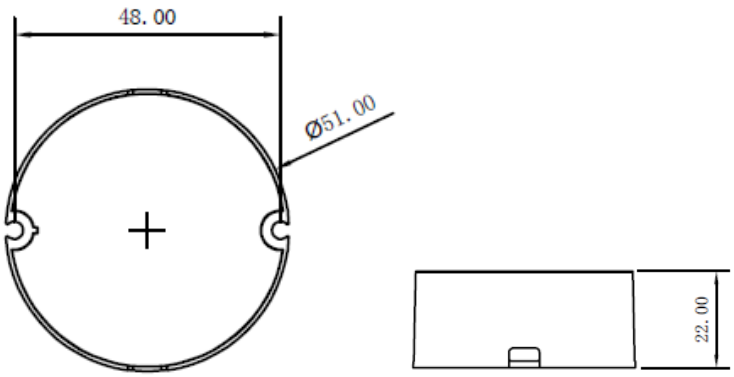
Manufacturer	Model	Q'ty of parallel connection
ABB	6519 U	15
ABB	6526 U	13
JUNG	1224 LED UDE	14
Berker	2861	10
JUNG	254 UDIE 1	10
JUNG	225 TDE	14
EGANT	U321V2	15
Schneider	SBD200LED	13
Schneider	SBD315RC	14
Merten	SBD200LED	13
Berker	2874	12

Leading Edge Dimmer list only on request -/ or confirmed by KGP Electronics

3. Label （For example）



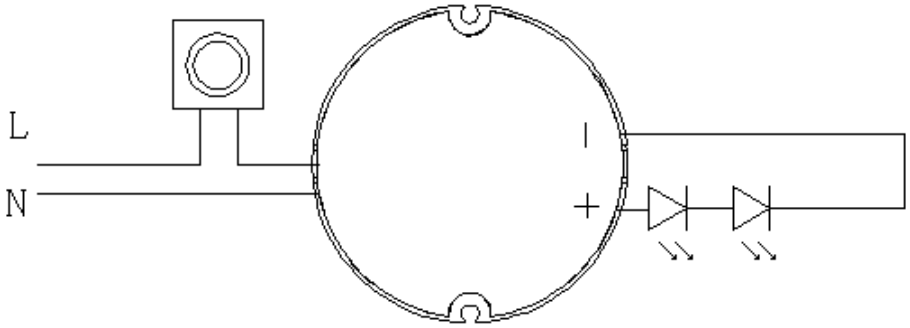
4. Dimension （Unit：mm）



5. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
450*240*200	250	T.B.D	T.B.D	T.B.D

6. Wiring Diagram



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