

Features		Ordering Information			
Universal AC input		O/P VOLTAGE	O/P CURRENT	MODEL NO.	
Protections-Short circuit /Over voltage /Over temperature		30-50VDC @ P 50W max	1 A	PI-13-D-350PRCT	
Output current level adjustable (Factory Set)		35-42VDC @ P 54W max	1.5A	PI-13-D-563PRCT	
High reliability		45-70VDC @ P 50W max	700mA	PI-13-D-249PRCT-S	
Suitable for built-in-applications of LED lighting		PI-13-D-350PRCT	PI-13-D-563PRCT	PI-13-D-249PRCT-S	
OUTPUT	DC VOLTAGE	30-50VDC @ P 50W max	35-42/36VDC @ P 54W max	45-70VDC @ P 50W max	
	CONSTANT CURRENT OPERATION VOLTAGE	30-50VDC @ P 50W max	35-42/36VDC @ P 54W max	45-70VDC @ P 50W max	
	RATED CURRENT	1 A	1.2A/1.5A	700mA	
	RATED POWER	52W	54W	52 W	
	CURRENT TOLERANCE	+/- 5%	+/- 5%	+/- 5%	
	VOLTAGE TOLERANCE	+/- 5%	+/- 5%	+/- 5%	
	LINE REGULATION	+/- 5%	+/- 5%	+/- 5%	
	LOAD REGULATION	+/- 5%	+/- 5%	+/- 5%	
INPUT	RIPPLE V/I	<5%/<36%	<5%/<36%	<5%/<36%	
	OPERATING VOLTAGE RANGE	140-280 VAC	140-280 VAC	140-280 VAC	
	ELECTRICAL PERFORMANCE RANGE	140-280 VAC	140-280 VAC	140-280 VAC	
	SUPPLY VOLTS (Vn)	240 VAC	240 VAC	240 VAC	
	SUPPLY CURRENT (In)(*1)	230mA	300mA	230mA	
	WATTS (Pn)(*3)	57 W	57 W	57 W	
	POWER FACTOR (PF)(*4)	>0.95	>0.95	>0.95	
	CURRENT CREST FACTOR	<1.7	<1.7	<1.7	
PROTECTION	CURRENT THD%(*1)	<10 %	<10 %	<10 %	
	INRUSH CURRENT(*1)	4A @ 25 µSec	4A @ 25 µSec	4A @ 25 µSec	
	EFFICIENCY(*1)	>85 %	>85 %	>85 %	
	O/P OVER VOLTAGE	AVAILABLE	AVAILABLE	AVAILABLE	
PHYSICAL CHARACTERISTICS	SHORT CIRCUIT	AVAILABLE	AVAILABLE	AVAILABLE	
	I/P FUSE	AVAILABLE	AVAILABLE	AVAILABLE	
	REVERSE POLARITY O/P	AVAILABLE	AVAILABLE	AVAILABLE	
	THERMAL CUTOFF	AVAILABLE	AVAILABLE	AVAILABLE	
SAFETY & EMC (TYPE TEST)	LED DRIVER SHAPE	RECTANGULAR	RECTANGULAR	RECTANGULAR	
	DIMENSIONS(L*W*H)	67 (L)* 32.5(W)*27(H) MM	67 (L)* 32.5(W)*27(H) MM	67 (L)* 32.5(W)*27(H) MM	
	WEIGHT IN Gms	55 Gms	55 Gms	55 Gms	
	DIMENSIONS (L*W*H) (CASING)	100(L)*38.5(W)*30.5(H) MM	100(L)*38.5(W)*30.5(H) MM	100(L)*38.5(W)*30.5(H) MM	
	CENTER TO CENTER DIMENSIONS (WITH CASING) / Material	92(L)*38.5(W)*30.5(H) MM	92(L)*38.5(W)*30.5(H) MM	92(L)*38.5(W)*30.5(H) MM	
	WEIGHT IN Gms (CASING)	175 Gms	175 Gms	175 Gms	
	OPERATING AMBIENT TEMP(ta)	-10 Deg.C TO + 50 Deg.C	-10 Deg.C TO + 50 Deg.C	-10 Deg.C TO + 50 Deg.C	
	MAXIMUM TEMP. tc (*2)	70 °C	70 °C	70 °C	
GENERAL	Tc LIFE	65 °C	65 °C	65 °C	
	SAFETY STANDARDS	IEC 61347-2-13	IEC 61347-2-13	IEC 61347-2-13	
	INSULATION RESISTANCE	>500M OHM@1000VDC	>500M OHM@1000VDC	>500M OHM@1000VDC	
	EMC EMISSION	NA	NA	NA	
RELIABILITY TEST (TYPE TEST)	EMC IMMUNITY	NA	NA	NA	
	HV TEST ACROSS SHORTED I/P & O/P (TYPE TEST)	2kV	2kV	2kV	
	SURGE (TYPE TEST)	+/- 4 kV[DM]	+/- 4 kV[DM]	+/- 4 kV[DM]	
	ISOLATION BETWEEN I/P & O/P	AVAILABLE	AVAILABLE	AVAILABLE	
MOUNTING DETAILS	TERMINATION	WIRES – I/P Blue (N),Brown(L), Yellow(E) O/P- Red(+),Black(-)	WIRES – I/P Blue (N),Brown(L), Yellow(E) O/P- Red(+),Black(-)	WIRES – I/P Blue (N),Brown(L), Yellow(E) O/P- Red(+),Black(-)	
	PCB TYPE	FR4	FR4	FR4	
	PACKING	ARRANGED IN CORRUGATED BOX	ARRANGED IN CORRUGATED BOX	ARRANGED IN CORRUGATED BOX	
	LOW VOLTAGE TEST	OK	OK	OK	
RELIABILITY TEST (TYPE TEST)	HIGH VOLTAGE TEST	OK	OK	OK	
	TEMPERATURE TEST	60 °C, 1 MONTH	60 °C, 1 MONTH	60 °C, 1 MONTH	

(*1)at full load @ 240 vac, (*2) Indicates Temperature Of O/P Capacitor

(*3)Pn=Vn*In*COSφ(PF), (*4)>0.95 @220-230 VAC AT FULL LOAD

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Date : 28.06.2021

Mounting Details

