

| DPA SERIES

PCB MOUNT



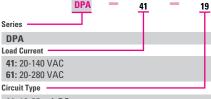
Features

- 16 Pin DIP SSR
- Ratings to 1 A @ 280 VAC
- SCR output
- Voltage or current-control input
- Zero-crossing (resistive loads) output

PRODUCT SELECTION

Control Voltage	120V	240V
3-32 VDC	DPA4119	DPA6119
10-35 mA	DPA4111	DPA6111





11: 10-35 mA DC **19**: 3.5-10 VDC

Required for valid part number
For options only and not
required for valid part number

OUTPUT SPECIFICATIONS (1)

Description	DPA41xx	DPA61xx	
Operating Voltage (47-63Hz) [Vrms]	20-140	20-280	
Transient Overvoltage [Vpk]	400	600	
Maximum Off-State Leakage Current @ Rated Voltage [mArms]	0.01	0.01	
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec] (3)	500	500	
Maximum Load Current [Arms]	1.0	1.0	
Minimum Load Current [Arms]	0.025	0.025	
Maximum Surge Current (16.6ms) [Apk]	30	30	
Maximum On-State Voltage Drop @ Rated Current [Vpk]	1.2	1.2	
Minimum Power Factor (with Maximum Load)	0.5	0.5	

Page 1



INPUT SPECIFICATIONS (1)

Description	DPAxx11	DPAxx19	
Control Voltage Range	-	3.5-10 VDC	
Control Current Range	10-35 mA	-	
Must Turn Off-State Current	1.0 mA	-	
Must Turn Off-State Voltage	-	1.0 VDC	
Typical Input Current @ 5 VDC	•	15 mAdc	
Nominal Input Impedance	•	270 Ohm	
Maximum Turn-On Time [msec]	1/2 Cycle	1/2 Cycle	
Maximum Turn-Off Time [msec]	1/2 Cycle	1/2 Cycle	

GENERAL SPECIFICATIONS

Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz) (2)	3750 Vrms
Minimum Insulation Resistance (@ 500 VDC) (2)	10° Ohm
Maximum Capacitance, Input/Output	2.0 pF
Ambient Operating Temperature Range	-30 to 80°C
Ambient Storage Temperature Range	-30 to 125°C
Weight (typical)	0.1 oz. (2.9g)
Encapsulation	Thermally Conductive Epoxy

(.6)

.125

(3.2)

16

Tolerances: ±0.02 in / 0.5 mm

MECHANICAL SPECIFICATIONS

All dimensions are in: inches [millimeters] .19 .850 265 (4.8)(21.6)(6.7).025 300 .70

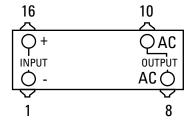
(17.8)

10

.60 (15.2) PIN 8: AC LOAD PIN 10: AC LOAD PIN 16: +DC CONTROL PIN 1: -DC CONTROL

(7.6)

WIRING DIAGRAM

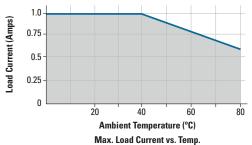




- (1) All parameters at 25°C unless otherwise specified.
 (2) Dielectric and insulation resistance are measured between input and output
 (3) Off-State dv/dt test method per EIA/NARM standard RS



THERMAL DERATE INFORMATION



AGENCY APPROVALS AND CERTIFICATIONS

UL E116950 CSA LR81689









RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE

- The product's side panels may be hot, allow the product to cool before touching
- Follow proper mounting instructions including torque values
- Do not allow liquids or foreign objects to enter this product

Failure to follow these instructions can result in serious injury, or equipment damage.



HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Disconnect all power before installing or working with this equipment
- Verify all connections and replace all covers before turning on

Failure to follow these instructions will result in death or serious injury

Page 3

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