artifax

Power Adapter - USC C 45W

Input Characteristics

Model No. : PA451
Rated Input Voltage : 140-240V AC
Input Voltage Range : 110-265V AC
Rated Frequency : 50/60Hz Variation Frequency : 47-63Hz
Input Current : 1A Max. @Any input AC voltage & output full load

Output Characteristics

Ports	Voltage	Voltage Range	Min. Load	Rated Load	Output Power
Type-C	$5V_{DC}$	4.75-5.40V	0.1A	3A	15W
	$9\ V_{DC}$	8.55-9.45V	0.1A	3.0A	25W
	$12\ V_{DC}$	11.4-12.6V	0.1A	3.75A	45W

Combined Load / Line Regulation

Voltage	Min. Load	Rated Load	Line Regulation	Load Regulation
5-12 VDC	0.1A	1.67-3.75A	±5%	±5%

Ripple and Noise : Under normal voltage & nominal load, the ripple & noise are as follows when measure with Max. Bandwidth of 20MHz & parallel 22μF electrolysis capacitor & 0.1uF ceramic capacitor crossed connect at testing point.
Voltage: 5-12V_{DC}
Ripple Voltage (Max.): 250mVp-p @ 230Vac

Turn on Delay Time : 3S Max. @ 115V AC input and output Max. Load
Rise Time : 100mS Max. @ 115V AC input and output Max. Load
Hold Up Time : 8ms Min. @ 115V AC input and output Max. Load
Fall Time : 50mS Max. @ Max. Load
Surge Immunity : 2.5kV L-N
Hi-Pot Test : 2.5kV@ 10mA
Protocol Supports : PD3.0, PPS, QC2.0, QC3.0, SCP, VOOC, SVOOC FCP, Apple 2.4A
Output Ports : Single, Type-C
No Load Power Consumption : <0.3W

Insulation Resistance :100MΩ at 500V DC
Efficiency : Average efficiency 78.7% minimum @ 25%, 50%, 75% & 100% of full-loading and 230V AC input (After warm up 30 minutes).

Overshoot : 10% Max. When power supply @ turns on or turn off.

Environmental Requirement

Operating Temperature : 0°C to 50°C, Full load, Normal Operation
Storage Temperature : -40°C to 85°C