

Known Differences Between IP440 and the IP440A

The IP445A has been designed as a drop in replacement for the IP445. The known differences between the IP445 and its replacement, the IP445A, are listed below. Our testing indicates that the new IP445A should work in all current customers' applications.

Turn-On/Turn-Off Time

| | On-Time | Off-Time |
|---------------------|-----------------------------|-----------------------------|
| IP445/IP445E | 1mS typical, 2mS maximum | 1mS typical, 2mS maximum |
| IP445A | 1mS typical, 2mS maximum | 1mS typical, 2mS maximum |
| IP445AE | 1mS typical, 2.5mS maximum* | 1mS typical, 2.5mS maximum* |

* maximum values are measured at 85°C

Power Requirements

| | +5V (±5%) All Outputs Off | +5V (±5%) All Outputs On |
|---------------|----------------------------------|---------------------------------|
| IP445 | 8.5mA typical, 12mA maximum | 300mA typical, 400mA maximum |
| IP445A | 5mA typical, 8mA maximum | 150mA typical, 200mA maximum |

Other Features

➤ **Improved Storage Temperature Range**

The IP445A has a storage temperature range of -40°C to 150°C.