



## Test Procedure for the LA5744TPGEVB Evaluation Board

### Test Setup

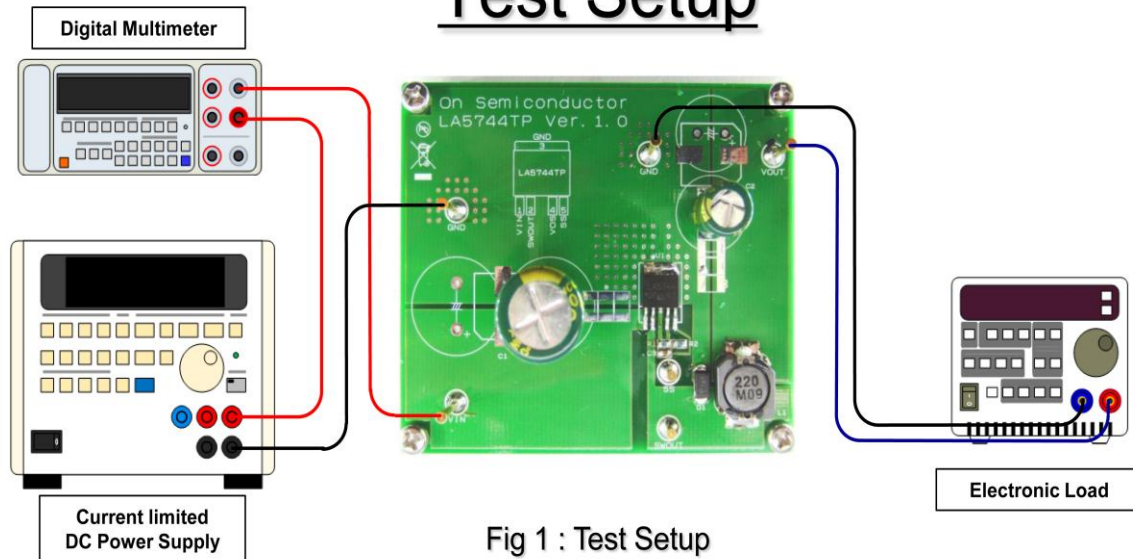


Fig 1 : Test Setup

#### Suggested Equipment :

- ✓ Current limited DC Power Supply (e.g. ADVANTEST R6243 DC Voltage Current Source/Monitor ) ..... 1pc
- ✓ Digital Multimeter {able to measure up to 30V and 3A} (e.g. ADVANTEST R6452 Digital Multimeter) ..... 1pc
- ✓ Electronic Load (e.g. FUJITSU ACCESS LIMITED Electric Load EUL-150αXL ) ..... 1pc

- ❑ Connect the test setup as shown in Figure 1.
- ❑ Apply an input voltage,  $V_{in}=4.5-28V$ .
- ❑ Apply  $I_{out}(load)=0A$ .
- ❑ Check that  $V_{out}=5 \pm 5\%V_{dc}$ .
- ❑ Set  $I_{out}$  to desired level,  $0A-2A$ .
- ❑ Check that  $V_{out}=5 \pm 5\%V_{dc}$  under desired operating condition.
- ❑ Turn off the load.
- ❑ Turn off  $V_{in}$ .
- ❑ End of the test.

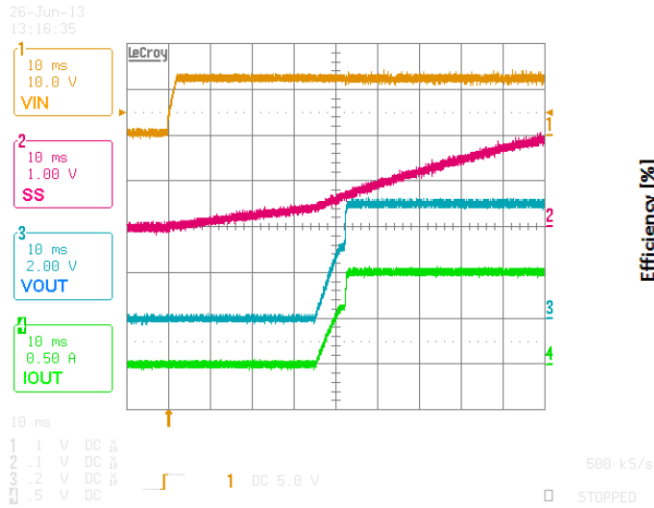


Fig 2 : LA5744TP Startup Waveform

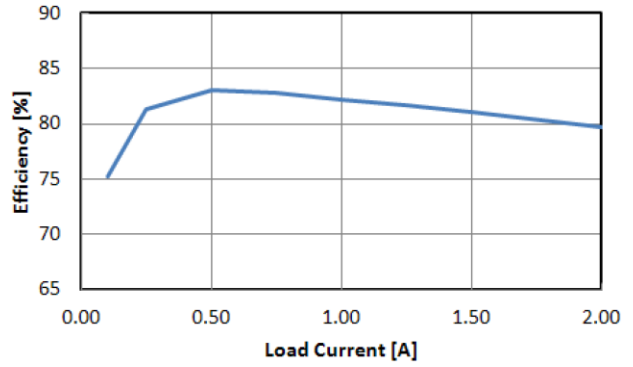


Fig 3 : LA5744TP Efficiency at 12V Input 5V Output