

### Specifications (measured at $T_A = 25^\circ\text{C}$ , nominal input voltage, full load and after warm-up)

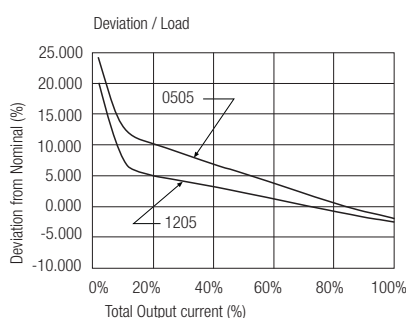
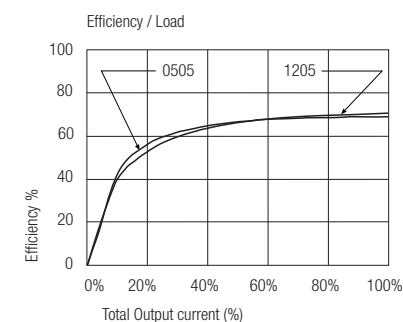
|                           |                                                              |                                 |                             |
|---------------------------|--------------------------------------------------------------|---------------------------------|-----------------------------|
| Storage Temperature Range | -55°C to +125°C                                              |                                 |                             |
| Relative Humidity         | 95% RH                                                       |                                 |                             |
| Package Weight            | 2.4g                                                         |                                 |                             |
| Packing Quantity          | 25 pcs per Tube                                              |                                 |                             |
| MTBF (+25°C)              | Detailed Information see<br>Application Notes chapter "MTBF" | using MIL-HDBK 217F             | 928 x 10 <sup>3</sup> hours |
| (+85°C)                   |                                                              | using MIL-HDBK 217F             | 150 x 10 <sup>3</sup> hours |
| Certifications            |                                                              |                                 |                             |
| CSA General Safety        | Report: E358085                                              | CSA C22.2 No. 60950-1-03        |                             |
| UL General Safety         | Report: E358085                                              | UL 60950-1 2nd Ed.              |                             |
| EN General Safety         | Report: SPCLVD1109103                                        | EN60950-1:2006 + A12:2011       |                             |
| EN Medical safety         | Report: SPCMD1205098-4                                       | IEC/EN60601-1:2006, 3rd Edition |                             |

### Notes

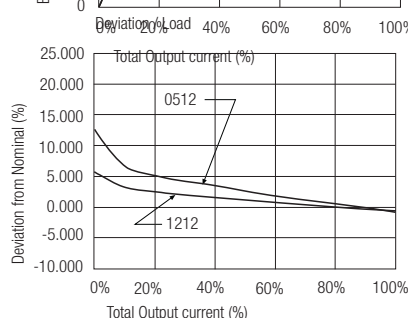
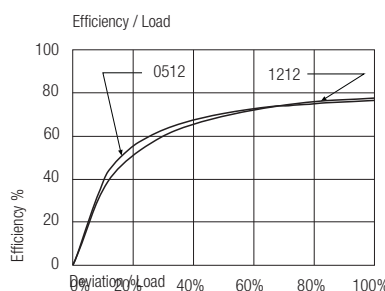
Note 1 Maximum capacitive load is defined as the capacitive load that will allow start up in under 1 second without damage to the converter.

### Typical Characteristics

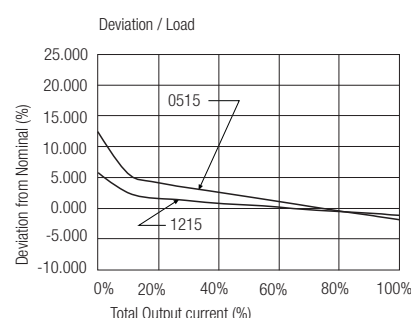
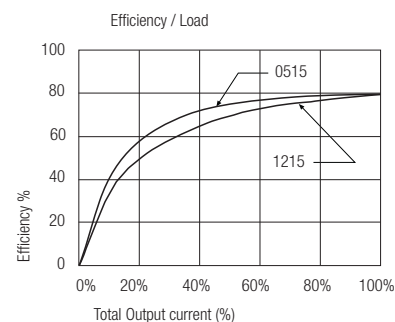
#### RP-xx05S



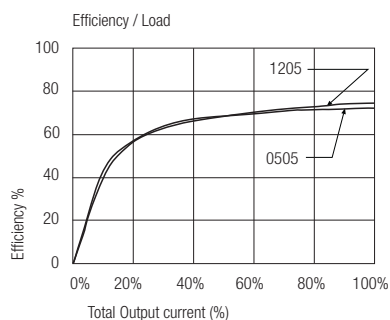
#### RP-xx12S



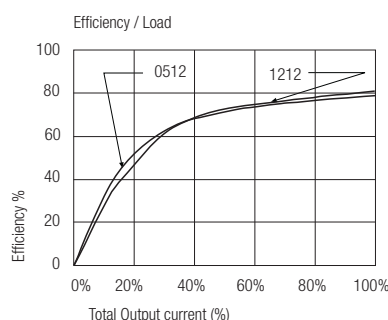
#### RP-xx15S



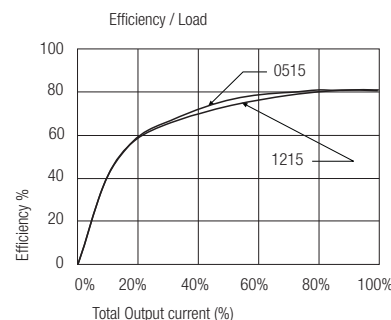
#### RP-xx05D



#### RP-xx12D



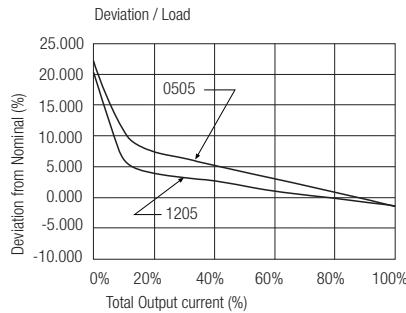
#### RP-xx15D



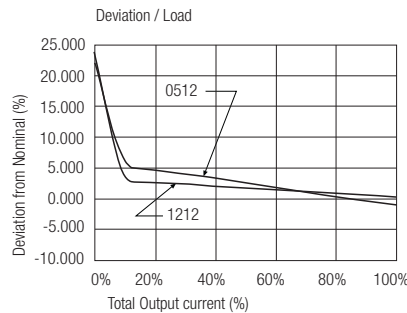
continued on next page

Typical Characteristics

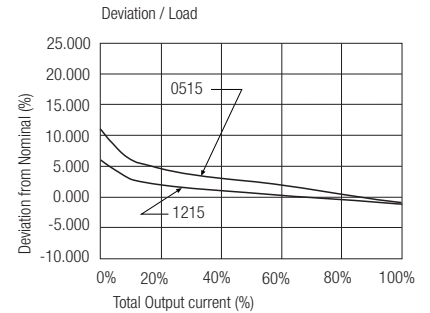
**RP-xx05D**



**RP-xx12D**

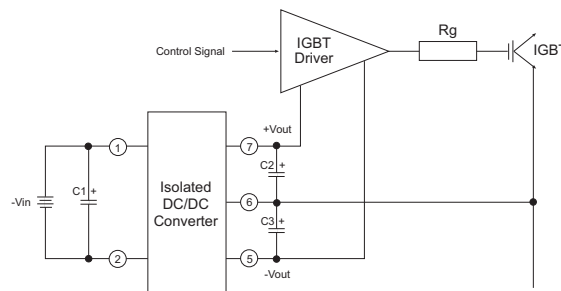


**RP-xx15D**



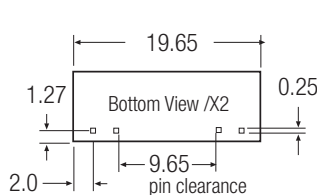
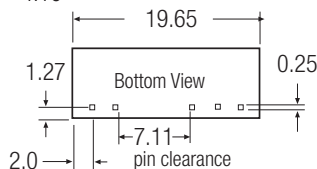
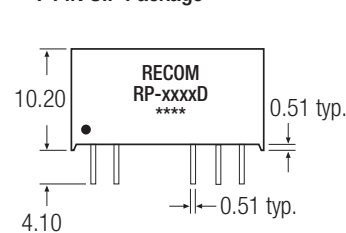
Application

**IGBT Application  
Circuit**

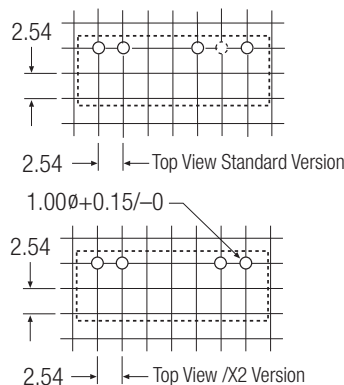


Package Style and Pinning (mm)

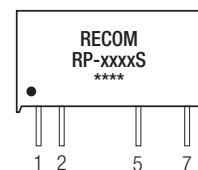
7 PIN SIP Package



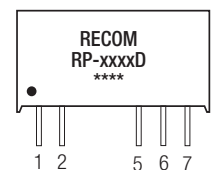
Recommended Footprint Details



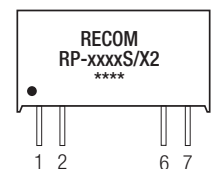
Single Output



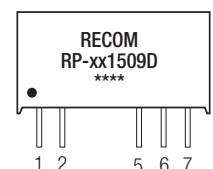
Dual Output



Single Output/X2



Dual Output



Pin Connections

| Pin # | Single | Dual  | /X2    |
|-------|--------|-------|--------|
| 1     | +Vin   | +Vin  | +Vin   |
| 2     | -Vin   | -Vin  | -Vin   |
| 5     | -Vout  | -Vout | No Pin |
| 6     | No Pin | Com   | -Vout  |
| 7     | +Vout  | +Vout | +Vout  |

XX.X ± 0.5 mm

XX.XX ± 0.25 mm

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