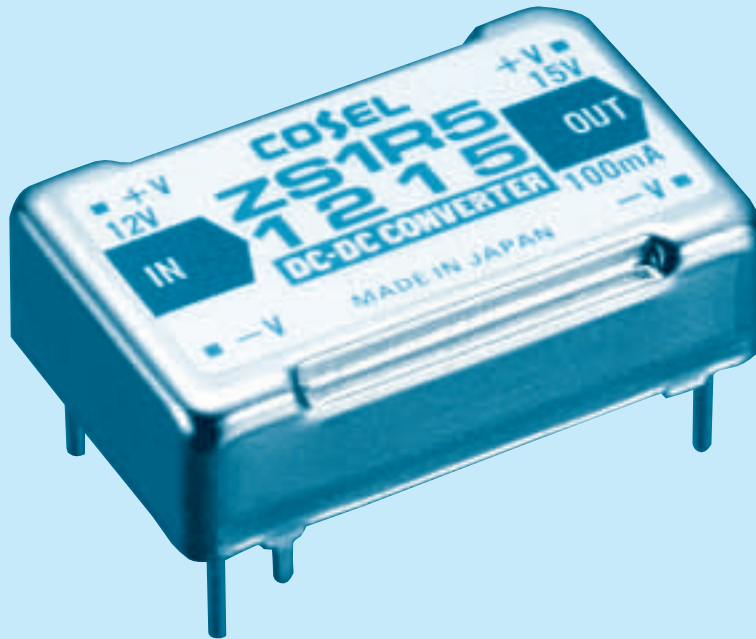


- ① Series name
- ② Single output
- ③ Output wattage
- ④ Input voltage
- ⑤ Output voltage

## RoHS



| MODEL                 | ZS1R50505 | ZS1R50512 | ZS1R50515 | ZS1R51205 | ZS1R51212 | ZS1R51215 | ZS1R52405 | ZS1R52412 | ZS1R52415 | ZS1R54805 | ZS1R54812 | ZS1R54815 |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| MAX OUTPUT WATTAGE[W] | 1.25      | 1.44      | 1.5       | 1.25      | 1.44      | 1.5       | 1.25      | 1.44      | 1.5       | 1.25      | 1.44      | 1.5       |
| DC OUTPUT             | 5V 0.25A  | 12V 0.12A | 15V 0.1A  | 5V 0.25A  | 12V 0.12A | 15V 0.1A  | 5V 0.25A  | 12V 0.12A | 15V 0.1A  | 5V 0.25A  | 12V 0.12A | 15V 0.1A  |

## SPECIFICATIONS

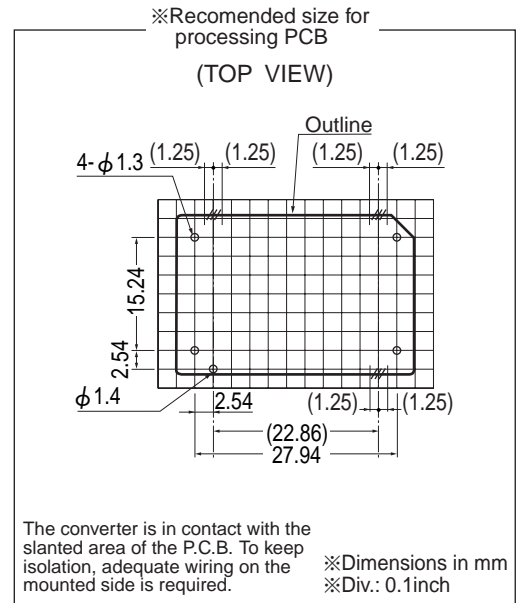
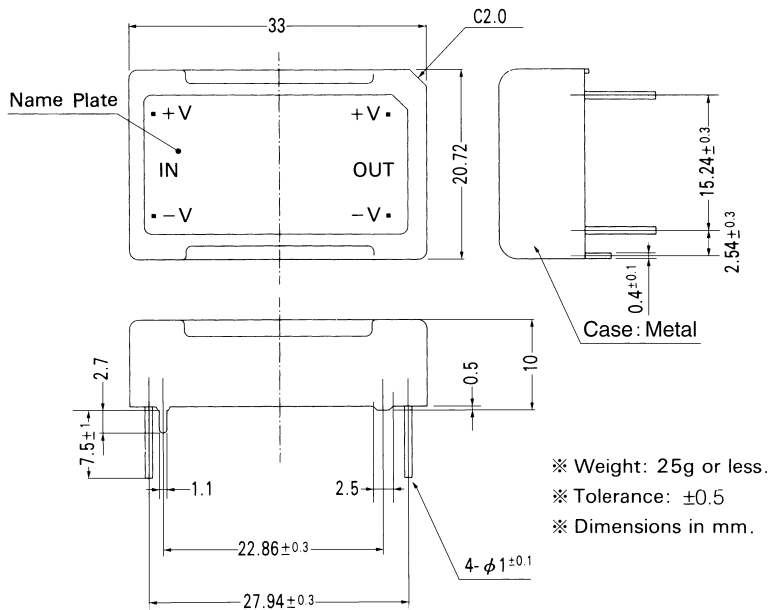
|                           | MODEL                                   | ZS1R50505  | ZS1R50512  | ZS1R50515 | ZS1R51205    | ZS1R51212 | ZS1R51215 | ZS1R52405    | ZS1R52412 | ZS1R52415 | ZS1R54805    | ZS1R54812 | ZS1R54815 |  |
|---------------------------|---|--|--|-----------|--------------|-----------|-----------|--------------|-----------|-----------|--------------|-----------|-----------|--|
| <b>Z INPUT</b>            | VOLTAGE[V]                              | 5 (4.5 - 6.0)  |  |           | 12 (10 - 15) |           |           | 24 (20 - 30) |           |           | 48 (35 - 63) |           |           |  |
|                           | CURRENT[A]                              | *1 0.420typ  | 0.480typ   | 0.500typ  | 0.158typ     | 0.183typ  | 0.192typ  | 0.079typ     | 0.092typ  | 0.096typ  | 0.040typ     | 0.046typ  | 0.048typ  |  |
|                           | EFFICIENCY[%]                           | 60typ  | 60typ  | 60typ     | 65typ        | 65typ     | 65typ     | 65typ        | 65typ     | 65typ     | 65typ        | 65typ     | 65typ     |  |
|                           |   |  |  |           |              |           |           |              |           |           |              |           |           |  |
| <b>OUTPUT</b>             | VOLTAGE[V]                              | 5  | 12   | 15        | 5            | 12        | 15        | 5            | 12        | 15        | 5            | 12        | 15        |  |
|                           | CURRENT[A]                              | 0.25   | 0.12   | 0.1       | 0.25         | 0.12      | 0.1       | 0.25         | 0.12      | 0.1       | 0.25         | 0.12      | 0.1       |  |
|                           | LINE REGULATION[mV]                     | 25max  | 60max  | 75max     | 25max        | 60max     | 75max     | 25max        | 60max     | 75max     | 25max        | 60max     | 75max     |  |
|                           | LOAD REGULATION[mV]                     | 50max  | 120max   | 150max    | 50max        | 120max    | 150max    | 50max        | 120max    | 150max    | 50max        | 120max    | 150max    |  |
|                           | RIPPLE[mVp-p]                           | *2 100max  | 120max   | 120max    | 100max       | 120max    | 120max    | 100max       | 120max    | 120max    | 100max       | 120max    | 120max    |  |
|                           | RIPPLE NOISE[mVp-p]                     | *2 120max  | 120max   | 120max    | 120max       | 120max    | 120max    | 120max       | 120max    | 120max    | 120max       | 120max    | 120max    |  |
|                           | TEMPERATURE REGULATION[mV]   0 to +50°C | 50max  | 120max   | 150max    | 50max        | 120max    | 150max    | 50max        | 120max    | 150max    | 50max        | 120max    | 150max    |  |
|                           | OUTPUT VOLTAGE ADJUSTMENT RANGE[V]      | Fixed  |  |           |              |           |           |              |           |           |              |           |           |  |
| OUTPUT VOLTAGE SETTING[%] | ±5max (Rated input/output, Ta=25°C)     |  |  |           |              |           |           |              |           |           |              |           |           |  |
| <b>PROTECTION CIRCUIT</b> | OVERCURRENT PROTECTION                  | Works over 105% of rating and recovers automatically   |  |           |              |           |           |              |           |           |              |           |           |  |
|                           | <b>ISOLATION</b>                        | INPUT-OUTPUT   | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C) |           |              |           |           |              |           |           |              |           |           |  |
|                           |   | INPUT-CASE   | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C) |           |              |           |           |              |           |           |              |           |           |  |
| OUTPUT-CASE               |   | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)                             |  |           |              |           |           |              |           |           |              |           |           |  |
| <b>ENVIRONMENT</b>        | OPERATING TEMP., HUMID. AND ALTITUDE    | -10 to +60°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max |  |           |              |           |           |              |           |           |              |           |           |  |
|                           | STORAGE TEMP., HUMID. AND ALTITUDE      | -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max                           |  |           |              |           |           |              |           |           |              |           |           |  |
|                           | VIBRATION                               | 10 - 55Hz, 19.6m/s <sup>2</sup> (2G), 3minutes period, 30minutes each along X, Y and Z axis  |  |           |              |           |           |              |           |           |              |           |           |  |
|                           | IMPACT                                  | 490.3m/s <sup>2</sup> (50G), 11ms, once each X, Y and Z axis                                 |  |           |              |           |           |              |           |           |              |           |           |  |

\*1 Rated input 5V, 12V, 24V or 48V DC, Io=100%

\*2 Measured by 20MHz oscilloscope.

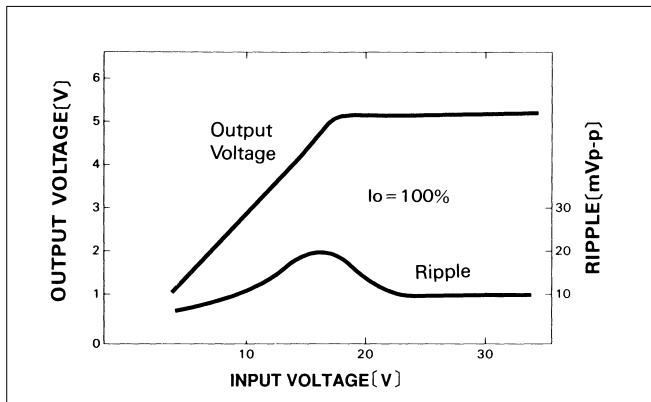
\* Parallel operation with other model is not possible.

External view

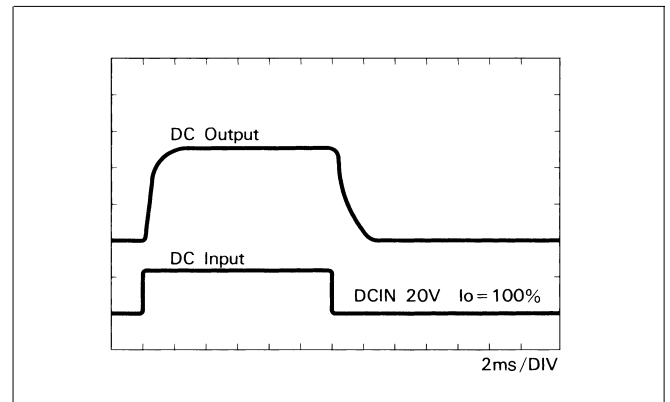


Performance data

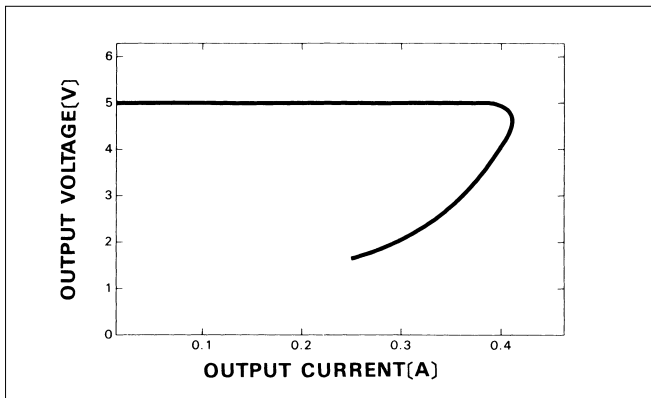
■ STATIC CHARACTERISTICS (ZS1R52405)



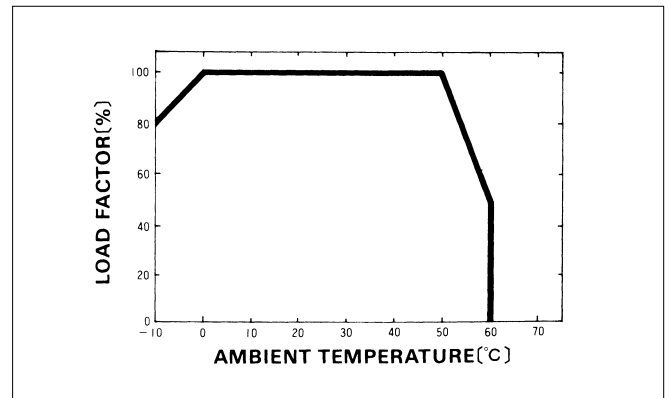
■ RISE TIME & FALL TIME (ZS1R52405)



■ OVERCURRENT CHARACTERISTICS (ZS1R52405)



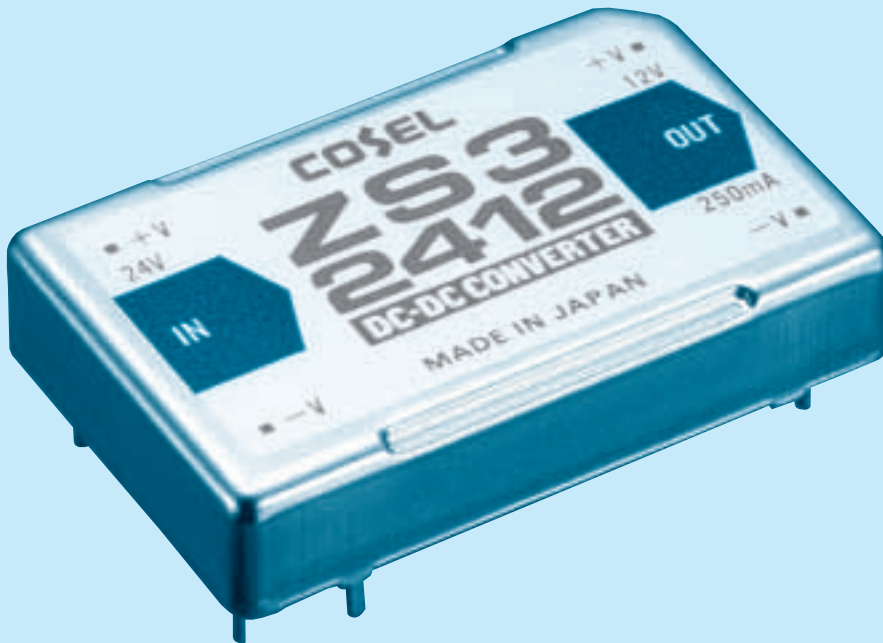
■ DERATING CURVE



Z

- ① Series name
- ② Single output
- ③ Output wattage
- ④ Input voltage
- ⑤ Output voltage

RoHS



| MODEL                 | ZS30505 | ZS30512   | ZS30515  | ZS31205 | ZS31212   | ZS31215  | ZS32405 | ZS32412   | ZS32415  | ZS34805 | ZS34812   | ZS34815  |
|-----------------------|---------|-----------|----------|---------|-----------|----------|---------|-----------|----------|---------|-----------|----------|
| MAX OUTPUT WATTAGE[W] | 2.5     | 3.0       | 3.0      | 2.5     | 3.0       | 3.0      | 2.5     | 3.0       | 3.0      | 2.5     | 3.0       | 3.0      |
| DC OUTPUT             | 5V 0.5A | 12V 0.25A | 15V 0.2A | 5V 0.5A | 12V 0.25A | 15V 0.2A | 5V 0.5A | 12V 0.25A | 15V 0.2A | 5V 0.5A | 12V 0.25A | 15V 0.2A |

SPECIFICATIONS

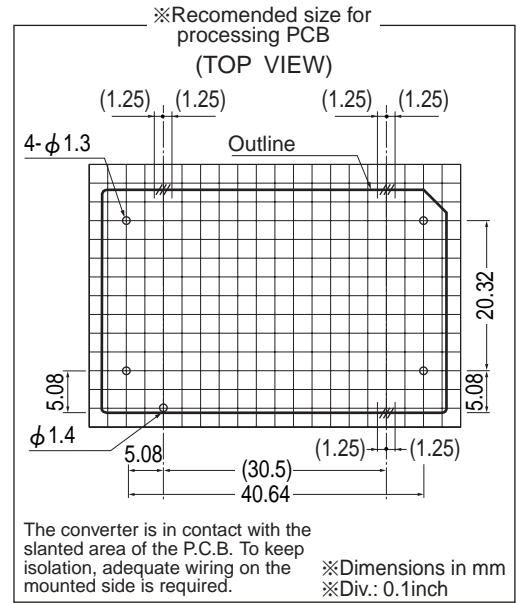
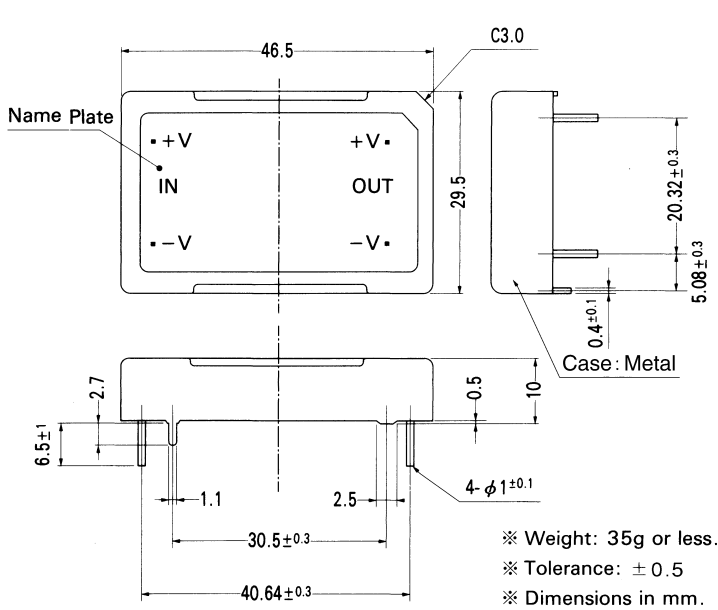
|                    | MODEL                                   | ZS30505  | ZS30512  | ZS30515  | ZS31205      | ZS31212  | ZS31215  | ZS32405      | ZS32412  | ZS32415  | ZS34805      | ZS34812  | ZS34815  |
|--------------------|---|--|----------|----------|--------------|----------|----------|--------------|----------|----------|--------------|----------|----------|
| INPUT              | VOLTAGE[V]                              | 5 (4.5 - 6.0)  |          |          | 12 (10 - 15) |          |          | 24 (20 - 30) |          |          | 48 (35 - 63) |          |          |
|                    | CURRENT[A]                              | *1 0.760typ  | 0.920typ | 0.920typ | 0.317typ     | 0.358typ | 0.358typ | 0.150typ     | 0.171typ | 0.171typ | 0.075typ     | 0.090typ | 0.090typ |
|                    | EFFICIENCY[%]                           | 65typ  | 65typ    | 65typ    | 65typ        | 70typ    | 70typ    | 70typ        | 74typ    | 74typ    | 70typ        | 70typ    | 70typ    |
|                    | VOLTAGE[V]                              | 5  | 12       | 15       | 5            | 12       | 15       | 5            | 12       | 15       | 5            | 12       | 15       |
| OUTPUT             | CURRENT[A]                              | 0.5  | 0.25     | 0.2      | 0.5          | 0.25     | 0.2      | 0.5          | 0.25     | 0.2      | 0.5          | 0.25     | 0.2      |
|                    | LINE REGULATION[mV]                     | 25max  | 60max    | 75max    | 25max        | 60max    | 75max    | 25max        | 60max    | 75max    | 25max        | 60max    | 75max    |
|                    | LOAD REGULATION[mV]                     | 50max  | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   |
|                    | RIPPLE[mVp-p]                           | *2 100max  | 120max   | 120max   | 100max       | 120max   | 120max   | 100max       | 120max   | 120max   | 100max       | 120max   | 120max   |
|                    | RIPPLE NOISE[mVp-p]                     | *2 120max  | 120max   | 120max   | 120max       | 120max   | 120max   | 120max       | 120max   | 120max   | 120max       | 120max   | 120max   |
|                    | TEMPERATURE REGULATION[mV]   0 to +50°C | 50max  | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   |
|                    | OUTPUT VOLTAGE ADJUSTMENT RANGE[V]      | Fixed  |          |          |              |          |          |              |          |          |              |          |          |
|                    | OUTPUT VOLTAGE SETTING[%]               | ±5max (Rated input/output, Ta=25°C)  |          |          |              |          |          |              |          |          |              |          |          |
| PROTECTION CIRCUIT | OVERCURRENT PROTECTION                  | Works over 105% of rating and recovers automatically   |          |          |              |          |          |              |          |          |              |          |          |
| ISOLATION          | INPUT-OUTPUT                            | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)                             |          |          |              |          |          |              |          |          |              |          |          |
|                    | INPUT-CASE                              | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)                             |          |          |              |          |          |              |          |          |              |          |          |
|                    | OUTPUT-CASE                             | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)                             |          |          |              |          |          |              |          |          |              |          |          |
| ENVIRONMENT        | OPERATING TEMP., HUMID. AND ALTITUDE    | -10 to +60°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max |          |          |              |          |          |              |          |          |              |          |          |
|                    | STORAGE TEMP., HUMID. AND ALTITUDE      | -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max                           |          |          |              |          |          |              |          |          |              |          |          |
|                    | VIBRATION                               | 10 - 55Hz, 19.6m/s <sup>2</sup> (2G), 3minutes period, 30minutes each along X, Y and Z axis  |          |          |              |          |          |              |          |          |              |          |          |
|                    | IMPACT                                  | 490.3m/s <sup>2</sup> (50G), 11ms, once each X, Y and Z axis                                 |          |          |              |          |          |              |          |          |              |          |          |

\*1 Rated input 5V, 12V, 24V or 48V DC, Io=100%

\*2 Measured by 20MHz oscilloscope.

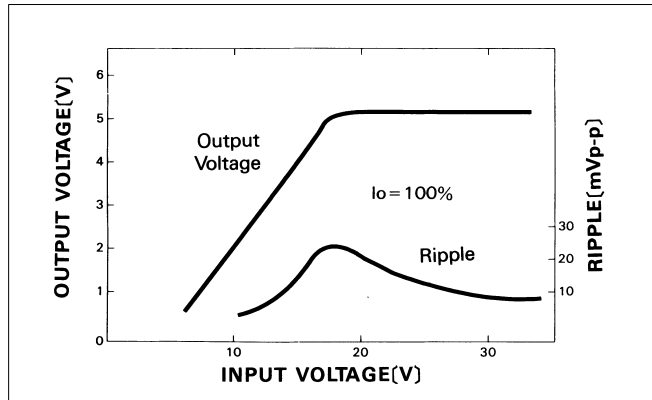
\* Parallel operation with other model is not possible.

External view

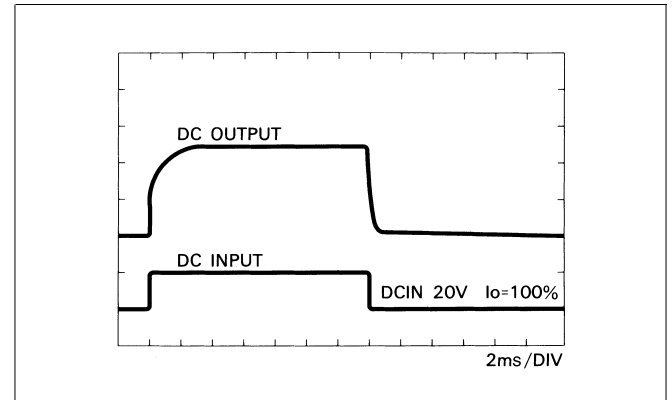


Performance data

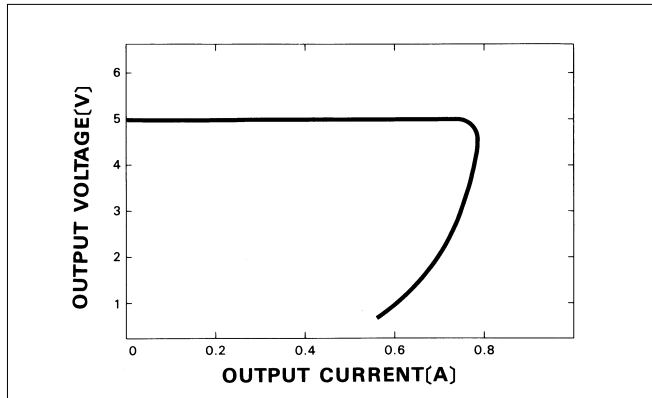
■STATIC CHARACTERISTICS (ZS32405)



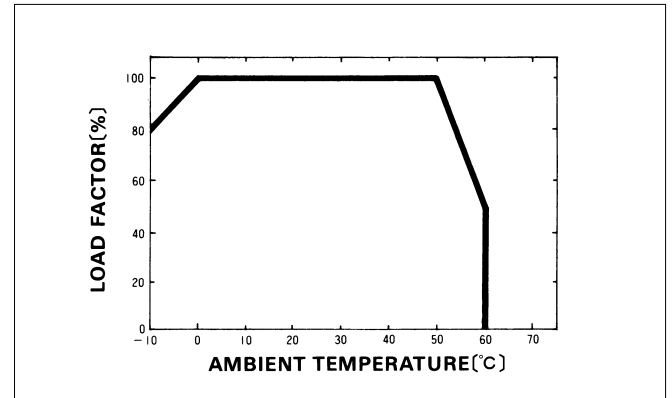
■RISE TIME & FALL TIME (ZS32405)



■OVERCURRENT CHARACTERISTICS (ZS32405)



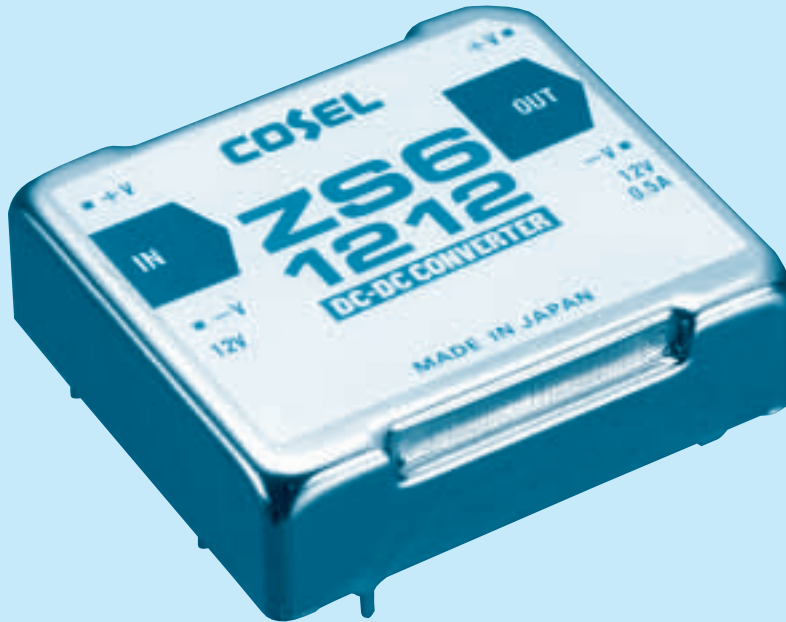
■DERATING CURVE



Z

- ① Series name
- ② Single output
- ③ Output wattage
- ④ Input voltage
- ⑤ Output voltage

## RoHS



| MODEL                 | ZS60505 | ZS60512  | ZS60515  | ZS61205 | ZS61212  | ZS61215  | ZS62405 | ZS62412  | ZS62415  | ZS64805 | ZS64812  | ZS64815  |
|-----------------------|---------|----------|----------|---------|----------|----------|---------|----------|----------|---------|----------|----------|
| MAX OUTPUT WATTAGE[W] | 5.0     | 6.0      | 6.0      | 5.0     | 6.0      | 6.0      | 5.0     | 6.0      | 6.0      | 5.0     | 6.0      | 6.0      |
| DC OUTPUT             | 5V 1.0A | 12V 0.5A | 15V 0.4A | 5V 1.0A | 12V 0.5A | 15V 0.4A | 5V 1.0A | 12V 0.5A | 15V 0.4A | 5V 1.0A | 12V 0.5A | 15V 0.4A |

## SPECIFICATIONS

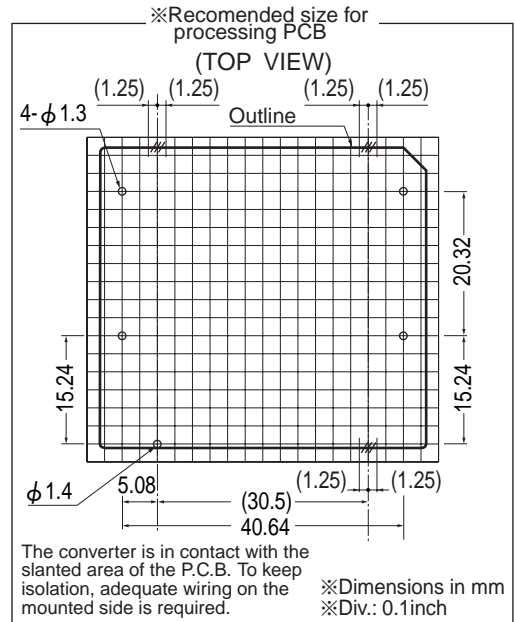
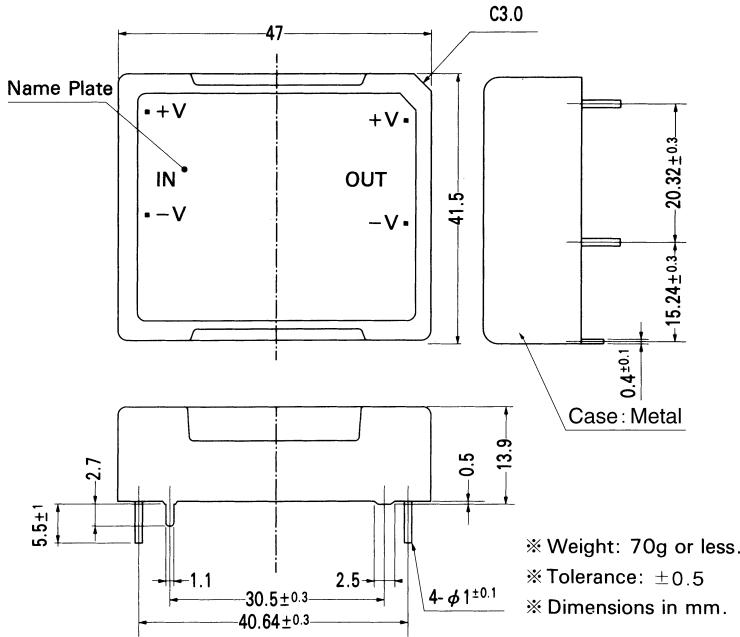
|                           | MODEL                                   | ZS60505  | ZS60512  | ZS60515  | ZS61205      | ZS61212  | ZS61215  | ZS62405      | ZS62412  | ZS62415  | ZS64805      | ZS64812  | ZS64815  |
|---------------------------|---|--|----------|----------|--------------|----------|----------|--------------|----------|----------|--------------|----------|----------|
| <b>Z INPUT</b>            | VOLTAGE[V]                              | 5 (4.5 - 6.0)  |          |          | 12 (10 - 15) |          |          | 24 (20 - 30) |          |          | 48 (35 - 63) |          |          |
|                           | CURRENT[A]                              | *1 1.540typ  | 1.840typ | 1.840typ | 0.617typ     | 0.717typ | 0.717typ | 0.296typ     | 0.338typ | 0.338typ | 0.148typ     | 0.179typ | 0.179typ |
|                           | EFFICIENCY[%]                           | 65typ  | 65typ    | 65typ    | 68typ        | 70typ    | 70typ    | 70typ        | 74typ    | 74typ    | 70typ        | 70typ    | 70typ    |
|                           |   |  |          |          |              |          |          |              |          |          |              |          |          |
| <b>OUTPUT</b>             | VOLTAGE[V]                              | 5  | 12       | 15       | 5            | 12       | 15       | 5            | 12       | 15       | 5            | 12       | 15       |
|                           | CURRENT[A]                              | 1  | 0.5      | 0.4      | 1            | 0.5      | 0.4      | 1            | 0.5      | 0.4      | 1            | 0.5      | 0.4      |
|                           | LINE REGULATION[mV]                     | 25max  | 60max    | 75max    | 25max        | 60max    | 75max    | 25max        | 60max    | 75max    | 25max        | 60max    | 75max    |
|                           | LOAD REGULATION[mV]                     | 50max  | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   |
|                           | RIPPLE[mVp-p]                           | *2 100max  | 120max   | 120max   | 100max       | 120max   | 120max   | 100max       | 120max   | 120max   | 100max       | 120max   | 120max   |
|                           | RIPPLE NOISE[mVp-p]                     | *2 120max  | 120max   | 120max   | 120max       | 120max   | 120max   | 120max       | 120max   | 120max   | 120max       | 120max   | 120max   |
|                           | TEMPERATURE REGULATION[mV]   0 to +50°C | 50max  | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   |
|                           | OUTPUT VOLTAGE ADJUSTMENT RANGE[V]      | Fixed  |          |          |              |          |          |              |          |          |              |          |          |
| OUTPUT VOLTAGE SETTING[%] | ±5max (Rated input/output, Ta=25°C)     |  |          |          |              |          |          |              |          |          |              |          |          |
| <b>PROTECTION CIRCUIT</b> | OVERCURRENT PROTECTION                  | Works over 105% of rating and recovers automatically   |          |          |              |          |          |              |          |          |              |          |          |
|                           |   |  |          |          |              |          |          |              |          |          |              |          |          |
| <b>ISOLATION</b>          | INPUT-OUTPUT                            | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)                             |          |          |              |          |          |              |          |          |              |          |          |
|                           | INPUT-CASE                              | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)                             |          |          |              |          |          |              |          |          |              |          |          |
|                           | OUTPUT-CASE                             | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)                             |          |          |              |          |          |              |          |          |              |          |          |
| <b>ENVIRONMENT</b>        | OPERATING TEMP., HUMID. AND ALTITUDE    | -10 to +60°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max |          |          |              |          |          |              |          |          |              |          |          |
|                           | STORAGE TEMP., HUMID. AND ALTITUDE      | -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max                           |          |          |              |          |          |              |          |          |              |          |          |
|                           | VIBRATION                               | 10 - 55Hz, 19.6m/s <sup>2</sup> (2G), 3minutes period, 30minutes each along X, Y and Z axis  |          |          |              |          |          |              |          |          |              |          |          |
|                           | IMPACT                                  | 490.3m/s <sup>2</sup> (50G), 11ms, once each X, Y and Z axis                                 |          |          |              |          |          |              |          |          |              |          |          |

\*1 Rated input 5V, 12V, 24V or 48V DC, Io=100%

\*2 Measured by 20MHz oscilloscope.

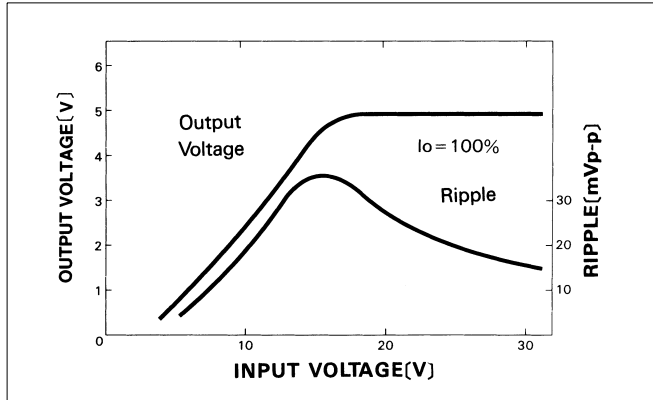
\* Parallel operation with other model is not possible.

External view

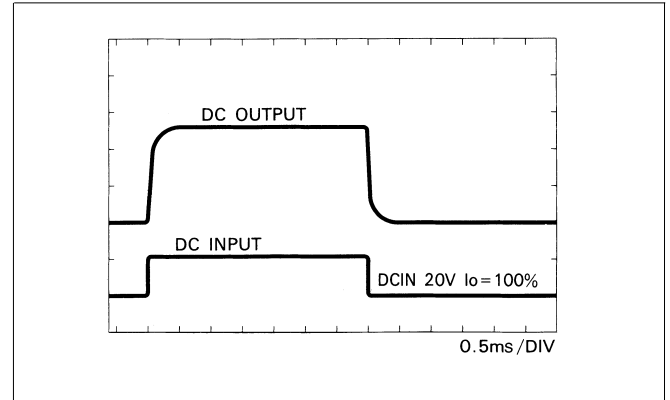


Performance data

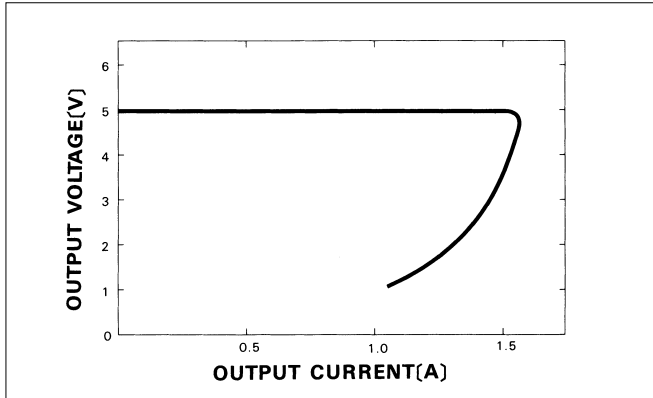
■ STATIC CHARACTERISTICS (ZS62405)



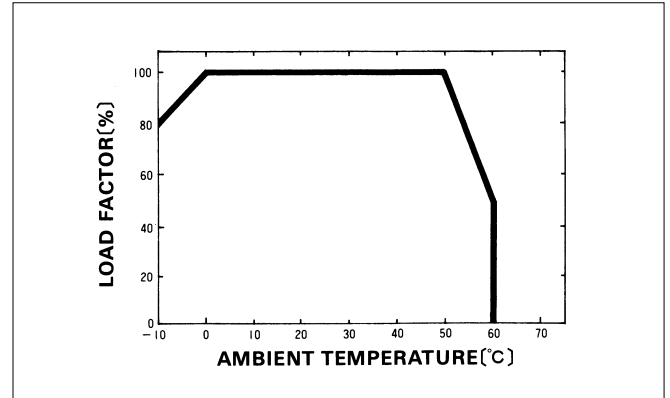
■ RISE TIME & FALL TIME (ZS62405)



■ OVERCURRENT CHARACTERISTICS (ZS62405)



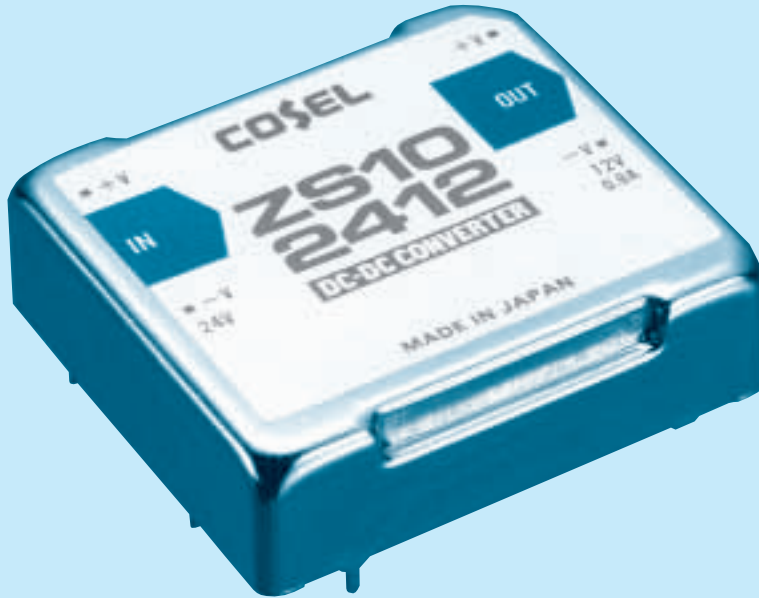
■ DERATING CURVE



Z

- ① Series name
- ② Single output
- ③ Output wattage
- ④ Input voltage
- ⑤ Output voltage

## RoHS



| MODEL                 | ZS100505   | ZS100512 | ZS100515 | ZS101205 | ZS101212 | ZS101215 | ZS102405 | ZS102412 | ZS102415 | ZS104805 | ZS104812 | ZS104815 |
|-----------------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| MAX OUTPUT WATTAGE[W] | 8.0        | 8.4      | 9.0      | 10.0     | 10.8     | 10.5     | 10.0     | 10.8     | 10.5     | 10.0     | 10.8     | 10.5     |
| DC OUTPUT             | VOLTAGE[V] | 5        | 12       | 15       | 5        | 12       | 15       | 5        | 12       | 15       | 5        | 12       |
|                       | CURRENT[A] | 1.6      | 0.7      | 0.6      | 2.0      | 0.9      | 0.7      | 2.0      | 0.9      | 0.7      | 2.0      | 0.9      |

## SPECIFICATIONS

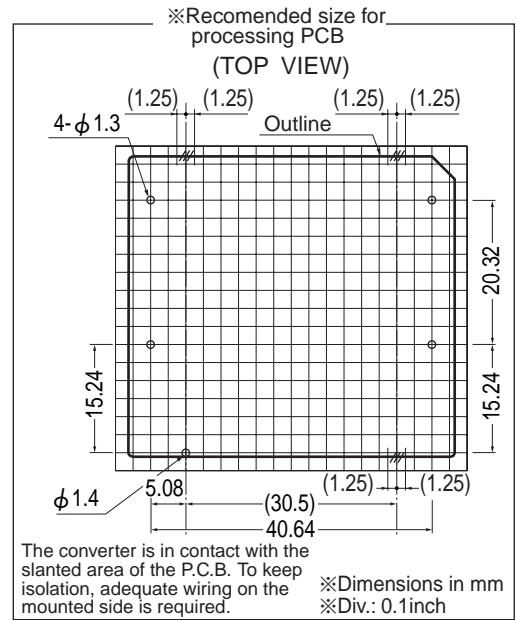
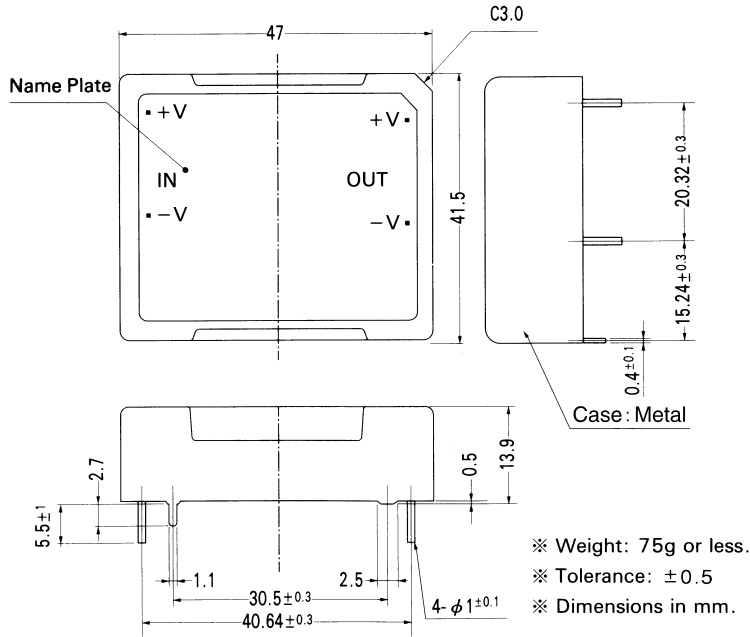
|                           | MODEL                                 | ZS100505   | ZS100512 | ZS100515 | ZS101205     | ZS101212 | ZS101215 | ZS102405     | ZS102412 | ZS102415 | ZS104805     | ZS104812 | ZS104815 |
|---------------------------|---------------------------------------|--|----------|----------|--------------|----------|----------|--------------|----------|----------|--------------|----------|----------|
| <b>Z</b> INPUT            | VOLTAGE[V]                            | 5 (4.5 - 6.0)  |          |          | 12 (10 - 15) |          |          | 24 (20 - 30) |          |          | 48 (35 - 63) |          |          |
|                           | CURRENT[A]                            | *1 2.220typ  | 2.340typ | 2.500typ | 1.042typ     | 1.125typ | 1.092typ | 0.521typ     | 0.563typ | 0.546typ | 0.260typ     | 0.281typ | 0.273typ |
|                           | EFFICIENCY[%]                         | 72typ  | 72typ    | 72typ    | 80typ        | 80typ    | 80typ    | 80typ        | 80typ    | 80typ    | 80typ        | 80typ    | 80typ    |
|                           |                                       |  |          |          |              |          |          |              |          |          |              |          |          |
| OUTPUT                    | VOLTAGE[V]                            | 5  | 12       | 15       | 5            | 12       | 15       | 5            | 12       | 15       | 5            | 12       | 15       |
|                           | CURRENT[A]                            | 1.6  | 0.7      | 0.6      | 2.0          | 0.9      | 0.7      | 2.0          | 0.9      | 0.7      | 2.0          | 0.9      | 0.7      |
|                           | LINE REGULATION[mV]                   | 25max  | 60max    | 75max    | 25max        | 60max    | 75max    | 25max        | 60max    | 75max    | 25max        | 60max    | 75max    |
|                           | LOAD REGULATION[mV]                   | 50max  | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   |
|                           | RIPPLE[mVp-p]                         | *2 100max  | 120max   | 120max   | 100max       | 120max   | 120max   | 100max       | 120max   | 120max   | 100max       | 120max   | 120max   |
|                           | RIPPLE NOISE[mVp-p]                   | *2 120max  | 120max   | 120max   | 120max       | 120max   | 120max   | 120max       | 120max   | 120max   | 120max       | 120max   | 120max   |
|                           | TEMPERATURE REGULATION[mV] 0 to +55°C | 50max  | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   | 50max        | 120max   | 150max   |
|                           | OUTPUT VOLTAGE ADJUSTMENT RANGE[V]    | Fixed  |          |          |              |          |          |              |          |          |              |          |          |
| OUTPUT VOLTAGE SETTING[%] | ±5max (Rated input/output, Ta=25°C)   |  |          |          |              |          |          |              |          |          |              |          |          |
| PROTECTION CIRCUIT        | OVERCURRENT PROTECTION                | Works over 105% of rating and recovers automatically   |          |          |              |          |          |              |          |          |              |          |          |
| ISOLATION                 | INPUT-OUTPUT                          | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)                             |          |          |              |          |          |              |          |          |              |          |          |
|                           | INPUT-CASE                            | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)                             |          |          |              |          |          |              |          |          |              |          |          |
|                           | OUTPUT-CASE                           | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)                             |          |          |              |          |          |              |          |          |              |          |          |
| ENVIRONMENT               | OPERATING TEMP., HUMID. AND ALTITUDE  | -10 to +70°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max |          |          |              |          |          |              |          |          |              |          |          |
|                           | STORAGE TEMP., HUMID. AND ALTITUDE    | -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max                           |          |          |              |          |          |              |          |          |              |          |          |
|                           | VIBRATION                             | 10 - 55Hz, 98.0m/s <sup>2</sup> (10G), 3minutes period, 30minutes each along X, Y and Z axis |          |          |              |          |          |              |          |          |              |          |          |
|                           | IMPACT                                | 490.3m/s <sup>2</sup> (50G), 11ms, once each X, Y and Z axis                                 |          |          |              |          |          |              |          |          |              |          |          |

\*1 Rated input 5V, 12V, 24V or 48V DC, Io=100%

\*2 Measured by 20MHz oscilloscope.

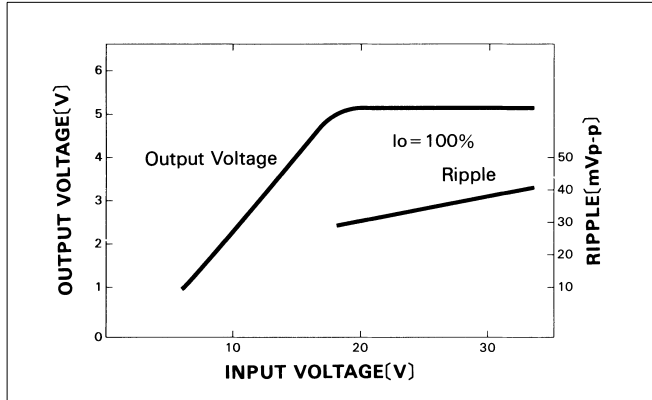
\* Parallel operation with other model is not possible.

External view

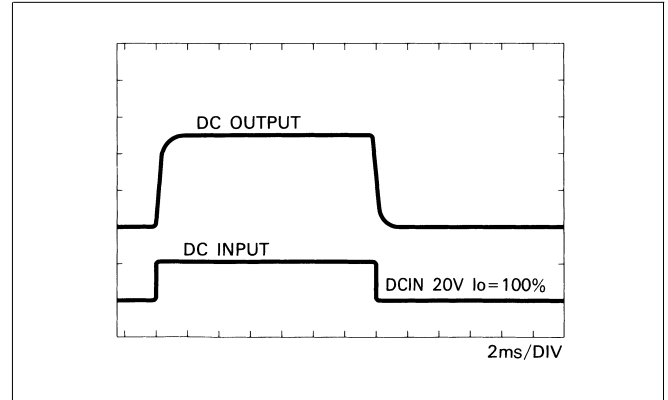


Performance data

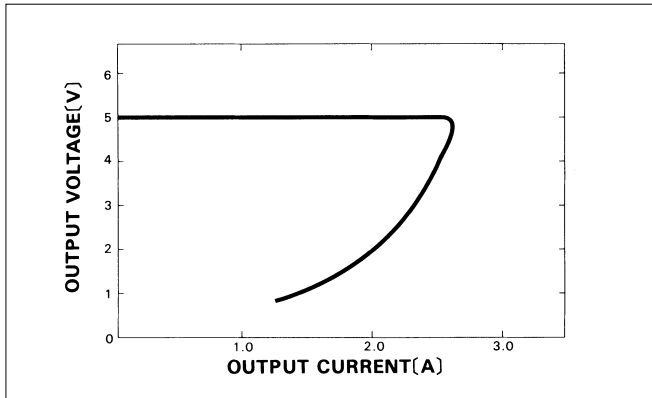
■STATIC CHARACTERISTICS (ZS102405)



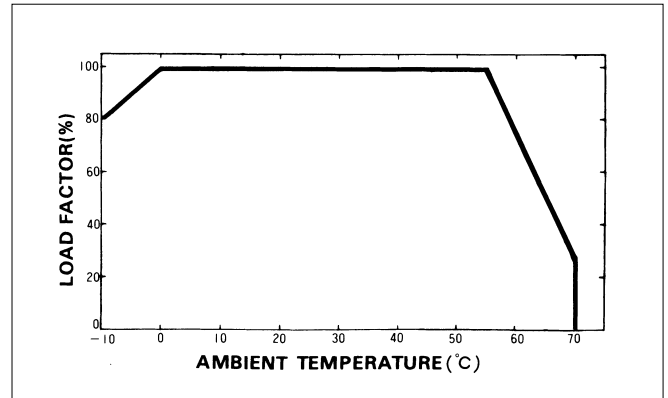
■RISE TIME & FALL TIME (ZS102405)



■OVERCURRENT CHARACTERISTICS (ZS102405)



■DERATING CURVE



Z