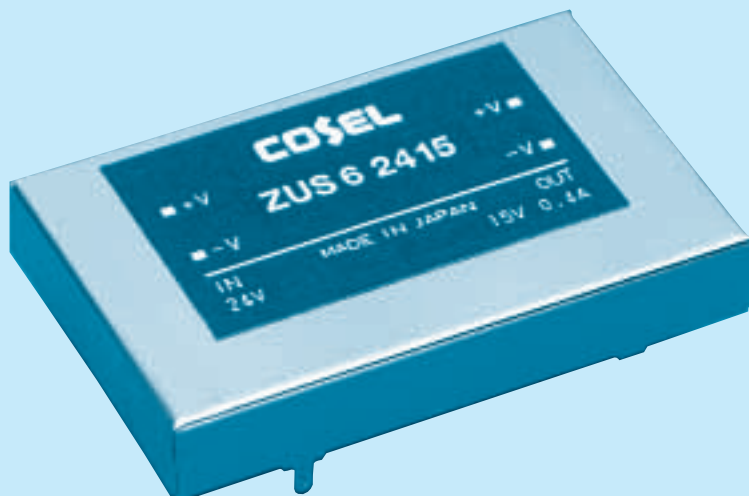




- ① Series name  
② Single output  
③ Output wattage  
④ Input voltage  
⑤ Output voltage

| MODEL                 |            | ZUS6053R3 | ZUS60505 | ZUS60512 | ZUS60515 | ZUS61205 | ZUS61212 | ZUS61215 | ZUS62405 | ZUS62412 | ZUS62415 | ZUS6483R3 | ZUS64805 | ZUS64812 | ZUS64815 |
|-----------------------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|
| MAX OUTPUT WATTAGE[W] |            | 3.3       | 5        | 6        | 6        | 6        | 6        | 6        | 6        | 6        | 6        | 3.3       | 6        | 6        | 6        |
| DC OUTPUT             | VOLTAGE[V] | 3.3       | 5        | 12       | 15       | 5        | 12       | 15       | 5        | 12       | 15       | 3.3       | 5        | 12       | 15       |
|                       | CURRENT[A] | 1.0       | 1.0      | 0.5      | 0.4      | 1.2      | 0.5      | 0.4      | 1.2      | 0.5      | 0.4      | 1.0       | 1.2      | 0.5      | 0.4      |

## SPECIFICATIONS

|                    | MODEL                              | ZUS6053R3                                                                                    | ZUS60505    | ZUS60512      | ZUS60515      | ZUS61205    | ZUS61212      | ZUS61215      | ZUS62405    | ZUS62412      | ZUS62415      | ZUS6483R3   | ZUS64805    | ZUS64812      | ZUS64815      |        |
|--------------------|------------------------------------|----------------------------------------------------------------------------------------------|-------------|---------------|---------------|-------------|---------------|---------------|-------------|---------------|---------------|-------------|-------------|---------------|---------------|--------|
| INPUT              | VOLTAGE[V]                         | DC4.5 - 9                                                                                    |             |               |               | DC9 - 18    |               |               | DC18 - 36   |               |               | DC36 - 72   |             |               |               |        |
|                    | CURRENT[A]                         | *1 0.94typ                                                                                   | 1.41typ     | 1.63typ       | 1.63typ       | 0.69typ     | 0.65typ       | 0.65typ       | 0.35typ     | 0.33typ       | 0.33typ       | 0.09typ     | 0.18typ     | 0.17typ       | 0.17typ       |        |
|                    | EFFICIENCY[%]                      | *1 70typ                                                                                     | 71typ       | 74typ         | 74typ         | 73typ       | 78typ         | 78typ         | 73typ       | 78typ         | 78typ         | 73typ       | 73typ       | 78typ         | 78typ         |        |
| OUTPUT             | VOLTAGE[V]                         | 3.3                                                                                          | 5           | 12            | 15            | 5           | 12            | 15            | 5           | 12            | 15            | 3.3         | 5           | 12            | 15            |        |
|                    | CURRENT[A]                         | 1.0                                                                                          | 1.0         | 0.5           | 0.4           | 1.2         | 0.5           | 0.4           | 1.2         | 0.5           | 0.4           | 1.0         | 1.2         | 0.5           | 0.4           |        |
|                    | LINE REGULATION[mV]                | 20max                                                                                        | 20max       | 48max         | 60max         | 20max       | 48max         | 60max         | 20max       | 48max         | 60max         | 20max       | 20max       | 48max         | 60max         |        |
|                    | LOAD REGULATION[mV]                | 40max                                                                                        | 40max       | 100max        | 120max        | 40max       | 100max        | 120max        | 40max       | 100max        | 120max        | 40max       | 40max       | 100max        | 120max        |        |
|                    | RIPPLE[mVp-p]                      | *2 80max                                                                                     | 80max       | 120max        | 120max        | 80max       | 120max        | 120max        | 80max       | 120max        | 120max        | 80max       | 80max       | 120max        | 120max        |        |
|                    | RIPPLE NOISE[mVp-p]                | *2 120max                                                                                    | 120max      | 150max        | 150max        | 120max      | 150max        | 150max        | 120max      | 150max        | 150max        | 120max      | 120max      | 150max        | 150max        |        |
|                    | TEMPERATURE REGULATION[mV]         | -20 to +55°C                                                                                 | 50max       | 50max         | 150max        | 180max      | 50max         | 150max        | 180max      | 50max         | 150max        | 180max      | 50max       | 50max         | 150max        | 180max |
|                    | DRIFT[mV]                          | *3 20max                                                                                     | 20max       | 48max         | 60max         | 20max       | 48max         | 60max         | 20max       | 48max         | 60max         | 20max       | 20max       | 48max         | 60max         |        |
|                    | START-UP TIME[ms]                  | 20max (Minimum input, Io=100%)                                                               |             |               |               |             |               |               |             |               |               |             |             |               |               |        |
|                    | OUTPUT VOLTAGE ADJUSTMENT RANGE[V] | Fixed                                                                                        |             |               |               |             |               |               |             |               |               |             |             |               |               |        |
|                    | OUTPUT VOLTAGE SETTING[V]          | 3.20 - 3.47                                                                                  | 4.85 - 5.25 | 11.40 - 12.60 | 14.25 - 15.75 | 4.85 - 5.25 | 11.40 - 12.60 | 14.25 - 15.75 | 4.85 - 5.25 | 11.40 - 12.60 | 14.25 - 15.75 | 3.20 - 3.47 | 4.85 - 5.25 | 11.40 - 12.60 | 14.25 - 15.75 |        |
| 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 | -20 to +71°C, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max |             |               |               |             |               |               |             |               |               |             |             |               |               |        |
|                    | STORAGE TEMP.,HUMID.AND ALTITUDE   | -40 to +85°C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max                           |             |               |               |             |               |               |             |               |               |             |             |               |               |        |
|                    | VIBRATION                          | 10 - 55Hz, 98.0m/s² (10G), 3minutes period, 60minutes each along X, Y and Z axis             |             |               |               |             |               |               |             |               |               |             |             |               |               |        |
|                    | IMPACT                             | 490.3m/s² (50G), 11ms, once each X, Y and Z axis                                             |             |               |               |             |               |               |             |               |               |             |             |               |               |        |
| SAFETY             | AGENCY APPROVALS                   | UL60950-1, EN60950-1, CSA C22.2 No.950 Complies with IEC60950-1                              |             |               |               |             |               |               |             |               |               |             |             |               |               |        |
| OTHERS             | CASE SIZE/WEIGHT                   | 44.5 X 7 X 28mm (W X H X D) / 25g max                                                        |             |               |               |             |               |               |             |               |               |             |             |               |               |        |
|                    | COOLING METHOD                     | Convection                                                                                   |             |               |               |             |               |               |             |               |               |             |             |               |               |        |

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

\*2 Measured by 20MHz oscilloscope.

\*3 The drift is a change at 25°C of ambient temperature and 30 minutes - 8 hours after the input voltage applied at rated input/output.

\* Series/Parallel operation with other model is not possible.