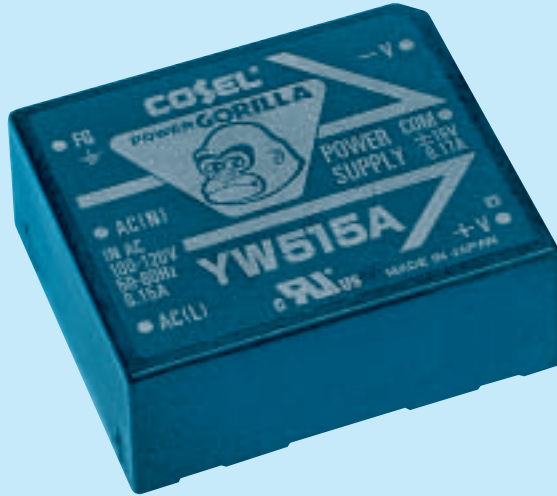


**YW5**

**Y W 5 12A**

① ② ③ ④

**RoHS**



- ① Series name
- ② Dual output
- ③ Output wattage
- ④ Output voltage

|                       |                             |                          |
|-----------------------|-----------------------------|--------------------------|
| MODEL                 | YW512A                      | YW515A                   |
| MAX OUTPUT WATTAGE[W] | 5.28                        | 5.10                     |
| DC OUTPUT             | *1 ±12V 0.22A or +24V 0.22A | ±15V 0.17A or +30V 0.17A |

**SPECIFICATIONS**

|                              | MODEL                                | YW512A   | YW515A            |
|------------------------------|--------------------------------------|--|-------------------|
| INPUT                        | VOLTAGE[V]                           | AC85 - 132 1 $\phi$ or DC110 - 170   |                   |
|                              | CURRENT[A]                           | ACIN 100V  | 0.15typ (Io=100%) |
|                              | FREQUENCY[Hz]                        |  | 47 - 440 or DC    |
|                              | EFFICIENCY[%]                        | ACIN 100V  | 70typ (Io=100%)   |
|                              | INRUSH CURRENT[A]                    | ACIN 100V  | 15typ (Io=100%)   |
| OUTPUT                       | VOLTAGE[V]                           | ±12 (+24)  | ±15 (+30)         |
|                              | CURRENT[A]                           | 0.22   | 0.17              |
|                              | LINE REGULATION[mV]                  | 60max  | 75max             |
|                              | LOAD REGULATION[mV]                  | 600max   | 750max            |
|                              | RIPPLE[mVp-p]                        | *2 120max  | 120max            |
|                              | RIPPLE NOISE[mVp-p]                  | *2 150max  | 150max            |
|                              | TEMPERATURE REGULATION[mV]           | 0 to +55°C   | 180max            |
|                              | START-UP TIME[ms]                    | 200max (ACIN 85V, Io=100%)   |                   |
|                              | OUTPUT VOLTAGE ADJUSTMENT RANGE[V]   | Fixed  |                   |
| OUTPUT VOLTAGE SETTING[%]    | ±5max (Rated input/output, Ta=25°C)  |  |                   |
| HOLD-UP TIME[ms]             | 10typ (ACIN 85V, Io=100%)            |  |                   |
| PROTECTION CIRCUIT           | OVERCURRENT PROTECTION               | Works over 105% of rating and recovers automatically   |                   |
| ISOLATION                    | INPUT-FG, OUTPUT                     | AC2.000V 1minute. Cutoff current = 10mA, DC500V 50M $\Omega$ min (At Room Temperature)       |                   |
|                              | OUTPUT-FG                            | AC500V 1minute. Cutoff current = 100mA, DC500V 50M $\Omega$ min (At Room Temperature)        |                   |
| ENVIRONMENT                  | OPERATING TEMP., HUMID. AND ALTITUDE | -10 to +70°C, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max |                   |
|                              | STORAGE TEMP., HUMID. AND ALTITUDE   | -20 to +75°C, 20 - 95%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                                 |                   |
| SAFETY AND NOISE REGULATIONS | AGENCY APPROVALS                     | UL60950-1, C-UL  |                   |
|                              | CONDUCTED NOISE                      | Complies with FCC-B  |                   |

\*1 Output pins can be connected in series to make a 24V/30V output.  
 \*2 Measured by 20MHz oscilloscope.  
 \* The output specification is at ±12V and ±15V.  
 \* Parallel operation with other model is not possible.