COSEL On-board type

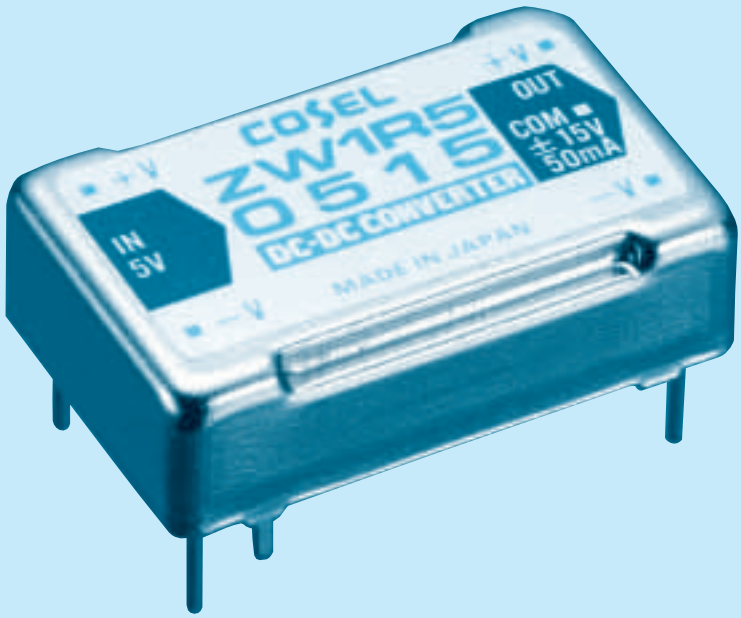
ZW1R5

Ordering information

Z	W	1R5	05	12
①	②	③	④	⑤

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

RoHS



MODEL		ZW1R50512	ZW1R50515	ZW1R51212	ZW1R51215	ZW1R52412	ZW1R52415	ZW1R54812	ZW1R54815
MAX OUTPUT WATTAGE[W]		1.44	1.5	1.44	1.5	1.44	1.5	1.44	1.5
DC OUTPUT	VOLTAGE[V]	±12 or +24	±15 or +30	±12 or +24	±15 or +30	±12 or +24	±15 or +30	±12 or +24	±15 or +30
	CURRENT[A]	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05

SPECIFICATIONS

Output pins can be connected in series to make a 24V/30V output.

	MODEL		ZW1R50512	ZW1R50515	ZW1R51212	ZW1R51215	ZW1R52412	ZW1R52415	ZW1R54812	ZW1R54815
INPUT	VOLTAGE[V]		5 (4.5 - 6.0)		12 (10 - 15)		24 (20 - 30)		48 (35 - 63)	
	CURRENT[A]	*1	0.480typ	0.500typ	0.183typ	0.192typ	0.092typ	0.096typ	0.046typ	0.048typ
	EFFICIENCY[%]		60typ	60typ	65typ	65typ	65typ	65typ	65typ	65typ
OUTPUT	VOLTAGE[V]		±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)
	CURRENT[A]		0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.05
	LINE REGULATION[mV]		60max	75max	60max	75max	60max	75max	60max	75max
	LOAD REGULATION[mV]		600max	750max	600max	750max	600max	750max	600max	750max
	RIPPLE[mVp-p]	*2	120max	120max	120max	120max	120max	120max	120max	120max
	RIPPLE NOISE[mVp-p]	*2	120max	120max	120max	120max	120max	120max	120max	120max
	TEMPERATURE REGULATION[mV]	0 to +50℃	120max	150max	120max	150max	120max	150max	120max	150max
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		Fixed							
	OUTPUT VOLTAGE SETTING[%]		±5max (Rated input/output, Ta=25℃)							
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℃)							
	INPUT-CASE		AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃)							
	OUTPUT-CASE		AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃)							
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +60℃, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max							
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max							
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 30minutes each along X, Y and Z axis							
	IMPACT		490.3m/s² (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.
* The output specification is at ±12V and ±5V.