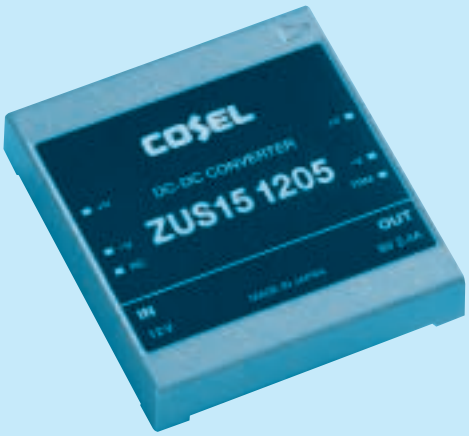
COSEL **On-board type**

ZUS15

Ordering information

ZU	S	15	12	05	
①	②	③	④	⑤	

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



MODEL		ZUS15053R3	ZUS150505	ZUS150512	ZUS151205	ZUS151212	ZUS152405	ZUS152412	ZUS15483R3	ZUS154805	ZUS154812
MAX OUTPUT WATTAGE[W]		6.6	10.0	12.0	12.0	15.6	12.0	15.6	7.92	12.0	15.6
DC OUTPUT	VOLTAGE[V]	3.3	5	12	5	12	5	12	3.3	5	12
	CURRENT[A]	2.0	2.0	1.0	2.4	1.3	2.4	1.3	2.4	2.4	1.3

SPECIFICATIONS

	MODEL	★ZUS15053R3	ZUS150505	ZUS150512	ZUS151205	ZUS151212	ZUS152405	ZUS152412	★ZUS15483R3	ZUS154805	ZUS154812
INPUT	VOLTAGE[V]	DC4.5 - 9			DC9 - 18		DC18 - 36		DC36 - 75		
	CURRENT[A] ※1	1.83typ	2.50typ	2.96typ	1.25typ	1.57typ	0.63typ	0.78typ	0.21typ	0.31typ	0.39typ
	EFFICIENCY[%] ※1	72typ	80typ	81typ	80typ	83typ	80typ	83typ	78typ	80typ	83typ
OUTPUT	VOLTAGE[V]	3.3	5	12	5	12	5	12	3.3	5	12
	CURRENT[A]	2.0	2.0	1.0	2.4	1.3	2.4	1.3	2.4	2.4	1.3
	LINE REGULATION[mV]	20max	20max	48max	20max	48max	20max	48max	20max	20max	48max
	LOAD REGULATION[mV]	40max	40max	100max	40max	100max	40max	100max	40max	40max	100max
	RIPPLE[mVp-p] ※2	80max	80max	120max	80max	120max	80max	120max	80max	80max	120max
	RIPPLE NOISE[mVp-p] ※2	120max	120max	150max	120max	150max	120max	150max	120max	120max	150max
	TEMPERATURE REGULATION[mV] 0 to +55℃	50max	50max	150max	50max	150max	50max	150max	50max	50max	150max
	DRIFT[mV] ※3	20max	20max	48max	20max	48max	20max	48max	20max	20max	48max
	START-UP TIME[ms]	100max (Minimum input, Io=100%)									
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Internally fixed (TRM pin open), adjustable by external VR									
		3.20 - 3.47	±5%						3.20 - 3.47	±5%	
	OUTPUT VOLTAGE SETTING[V]	3.20 - 3.47	4.85 - 5.25	11.4 - 12.6	4.85 - 5.25	11.4 - 12.6	4.85 - 5.25	11.4 - 12.6	3.20 - 3.47	4.85 - 5.25	11.4 - 12.6
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically									
	OVERVOLTAGE PROTECTION	4.0 - 5.25V	Works at 115 - 140% of rating						4.0 - 5.25V	Works at 115 - 140% of rating	
	REMOTE ON/OFF	Between RC and -side of input:short - 1.2V ・・・output ON, 2.4V - 5.5V(or open)・・・output OFF, Compatible to TTL									
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	-20 to +71℃, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max									
	STORAGE TEMP.,HUMID.AND ALTITUDE	-40 to +85℃, 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	UL1950, EN60950, CSA C22.2 No.234 Complies with IEC60950									
OTHERS	CASE SIZE/WEIGHT	45×8.5×50mm (W×H×D) / 55g 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℃ 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.
★marked models are pending for safety approvals. Consult with us for delivery.