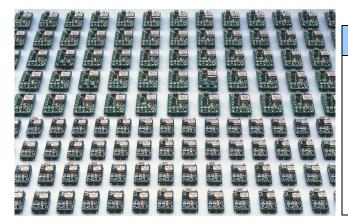


3 WATT DC-DC CONVERTER

OBQ-SC/OBQ-WC series



General Description

In response to market demand for "DISTRIBUTED POWER," ETA has developed a new DC/DC converter suitable for PCB mounting. OB-Series AC/DC Switching Power Supplies are designed and built to be installed right onto the user's printed circuit board like a piece of "patch-work". They are small, light in weight and cost effective.

Features

- 1.PCB Mountable
- 2. Small, Light Weight
- 3. High Efficiency
- 4. Cost effective
- 5. Output Voltage adjustable
- 6. Over Voltage Protection

SC/WC05 Input Specifications

Specifications	Model																	
OBQ**SC/WC05 3WATTS/SINGLE/2 OUTPUT	OBQ05SC05	OBQ12SC05	OBQ15SC05	OBQ24SC05	OBQ22	OBQ22WC05		OBQ22WC05		OBQ22WC05		OBQ22WC05		OBQ22WC05		OBQ22WC05		3WC05
Input Characteristic																		
Input Voltage DC[V]	5	5	5	5	5	12	5	12										
Input Range DC[V]		4.5-6																
Inrush Current [A]			Not spe	cified														
Input Range																		
at no load [mA](typical)	41	51	51	57	66	64	64	64										
at full load[mA](typical)	676	789	779	800	843	356	800	342										
Line Back Noise [mVp-p](typical)	200 100 200 200 200 100 2					200	100											
Efficiency [%] (typical) *1	74	76	77	78	74	73	75	73										



SC/WC05 Output Specifications

Specifications			N	/lodel							
OBQ**SC/WC0512	OBO05900512	OPO128C0512	OBO159C0512	OBQ24SC0512	OBO221	NC0512	OBO33	WC0512			
3WATTS/SINGLE/2 OUTPUT	OBQ033C0312	OBQ12300312	OBQ13300312	OBQ243C0312	OBQZZV	W C03 12	OBQZ3	VV C0312			
Output Voltage [V]	5	12	15	24	+12	-12	+15	-15			
Output Current [A]	0.5	0.25	0.20	0.13	0.013	-0.13	0.010	0-0.10			
Voltage Tolerance +/-[mV](max) *2	100	240	300	480	240	240	300	300			
Ripple and Noise [mVp-p](max) *3				100							
Regulation											
a.Static Line Regulation [mV](max)	25	60	75	120	60	60	75	75			
b.Dynamic Line Regulation +/-[mV](max) *4	250	200	200	200	200	200	200	200			
c.Static Load Regulation [mV](max) *5	25	60	75	120	±1000	±1000	±1000	±1000			
[mV](max) *6					±480	±600	±600				
[mV](max) *7					±60 ±60 ±75 ±						
d.Temperature Coefficient *8	0.03%/°C(maximum)										
e.Drift[mV](maximum) *9	40	75	90	135	75	75	90	90			
f.Dynamic Load Regulation +/- [mV](typ) *10	150	360	450	720	360	360	450	450			
g.Recovery Time *4, *10	20mS(typical)										
Rise up time				at rated input/out	put						
Hold up time			Not	specified							
Functions											
Overcurrent Protection *10	Foldback/Cu	urrent Limiting v	vith automatic re	ecovery at discor	ntinuous	short circ	uit condi	tions			
Overvoltage Protection			Not	available							
Remote Sence			Not	available							
Trimming of output voltage[mV] *11	+250	+250	+350	+650							
[mV] *12	-250	-900	-1600	-4000							
Input Fuse			<u>In</u>	stalled							
Environmental											
Operating Temperature			-20	to +71°C							
(derating)		3.5%/°	C (50oC to 71°C	(out of warran	tv >=71°C	<u> </u>					
Operating Humidity				non-condensing		,					
Storage Temperature				to +85°C	,						
Storage Humidity			20 to 90%/RF	l(non-condensin	g)						
Withstanding Voltage		Prir	nary-Secondary	AC500V for 1	minute						
Isolation Resistance	Pr			ninimum) by DC		lation te	ster				
Capacitance(input-output) [pF](typical)	2200										
Vibration	5-10Hz:10mm double amplitude.10-55Hz:19.6m/s ² .20minutes' perjod for 60minutes each along X.Y.Z axes(non-operating)										
Shock	294m/s ²										
Cooling			Cor	nvection							
Weight (typical)			open bo	pard type:6g							

^{*1} at 25°C and rated input/output

^{*2} OBQ**WC0512 satisfies the above-mentioned specifications at the same load conditions on both outputs

^{*3} measured by a bayonet probe at the output connector at a 0 to 100MHz bandwidth

^{*4} when input voltage changed from 4.5V to 16V rapidly at rated output

^{*5} when output current changed from 0mA to rated current keeping the current of other output below minimum rated current at rated input

^{*6} when output current changed from minimum rated current to rated current keeping the current of other output above minimum rated current at rated input

^{*7} when output current of both outputs changed from 0mA to rated current identically at rated input

^{*8} at -20 to +71°C

^{*9} for 7hour period after 1hour warm-up at 25°C and rated input/output

^{*10} when output current changed rapidly between 25% and 75% of rated current at rated input

^{*11} to increase output voltage,put a resistor between pin"0" and trimming pin

^{*12} to reduce output voltage,put a resistor between pin"+" and trimming pin



SC/WC0512 Input Specifications

Specifications		Model										
OBQ**SC/WC0512	OBO055	3Q05SC0512 OBQ12SC0512 OBQ15SC0512 OBQ24SC0512 OBQ22WC0512 O						OBO23\	WC0512			
3WATTS/SINGLE/2 OUTPUT	Obgood	0500012 05012000012 05010000012 0502211000012 0502211000012 0502						ODQLO	VV 000 12			
Input Characteristic												
Input Voltage DC[V]	5	12	5	12	5	12	5	12	5	12	5	12
Input Range DC[V]		4.5-16V										
Inrush Current [A]					N	lot spe	cified					
Inrush Current [A]												
at no load [mA](typical)	41	44	51	54	51	53	57	59	66	64	64	64
at full load[mA](typical)	676	297	789	342	779	337	800	346	843	356	800	342
Line Back Noise [mVp-p](typical)	200	100	100	80	200	100	200	100	200	100	200	100
Efficiency [%] (typical) *1	74	70	76	73	77	74	78	75	74	73	75	73



SC/WC0512 Output Specifications

Specifications			N	/lodel							
OBQ**SC/WC0512 3WATTS/SINGLE/2 OUTPUT	OBQ05SC0512	OBQ12SC0512	OBQ15SC0512	OBQ24SC0512	OBQ22\	WC0512	OBQ23	WC0512			
Output Voltage [V]	5	12	15	24	+12	-12	+15	-15			
Output Current [A]	0.5	0.25	0.20	0.13	0.013	-0.13	0.010	0-0.10			
Voltage Tolerance +/-[mV](max) *2	100	240	300	480	240	240	300	300			
Ripple and Noise [mVp-p](max) *3				100							
Regulation											
a.Static Line Regulation [mV](max)	25	60	75	120	60	60	75	75			
b.Dynamic Line Regulation +/-[mV](max) *4	250	200	200	200	200	200	200	200			
c.Static Load Regulation [mV](max) *5	25	60	75	120	±1000	±1000	±1000	±1000			
[mV](max) *6					±480	±480	±600	±600			
[mV](max) *7					±60 ±60 ±75						
d.Temperature Coefficient *8	0.03%/°C(maximum)										
e.Drift[mV](maximum) *9	40	75	90	135	75	75	90	90			
f.Dynamic Load Regulation +/- [mV](typ) *10	150	360	450	720	360	360	450	450			
g.Recovery Time *4, *10			20m	S(typical)							
Rise up time			10mS(typical) a	at rated input/out	put						
Hold up time			Not	specified							
Functions											
Overcurrent Protection *10	Foldback/Cu	urrent Limiting v	vith automatic re	ecovery at discor	ntinuous	short circ	uit condi	tions			
Overvoltage Protection			Not	available							
Remote Sence			Not	available							
Trimming of output voltage[mV] *11	+250	+250	+350	+650							
[mV] *12	-250	-900	-1600	-4000							
Input Fuse				stalled							
Environmental				014.104							
Operating Temperature	1		-20	to +71°C							
(derating)		3.5%/°		10 - 1 1 0							
Operating Humidity		0.070.		non-condensing)						
Storage Temperature				to +85°C	,						
Storage Humidity				I(non-condensing	a)						
Withstanding Voltage		Prir		AC500V for							
Isolation Resistance	Pr					ılation te	ster				
Capacitance(input-output) [pF](typical)	Primary-Frame Ground 50MΩ(minimum) by DC500V insulation tester 2200										
Vibration	5-10Hz:10mm double amplitude:10-55Hz:19.6m/s ² .20minutes' period for 60minutes each along X.Y.Z axes(non-operating)										
Shock	294m/s ²										
Cooling				nvection							
Weight (typical)				pard type:6g							
Conditions:				,, J							

- *1 at 25°C
- *2 OBQ**WC0512 satisfies the above-mentioned specifications at the same load conditions on both outputs
- *3 measured by a bayonet probe at the output connector at a 0 to 100MHz bandwidth
- *4 when input voltage changed from 4.5V to 16V rapidly at rated output
- *5 when output current changed from 0mA to rated current keeping the current of other output below minimum rated current at rated input
- *6 when output current changed from minimum rated current to rated current keeping the current of other output above minimum rated current at rated input
- *7 when output current of both outputs changed from 0mA to rated current identically at rated input
- *8 at -20 to +71°C
- *9 for 7hour period after 1hour warm-up at 25°C
- *10 when output current changed rapidly between 25% and 75% of rated current at rated input
- *11 to increase output voltage, put a resistor between pin"0" and trimming pin
- *12 to reduce output voltage,put a resistor between pin"+" and trimming pin



SC12 Input Specifications

Specifications		М	odel			
OBQ**SC12 3WATTS/SINGLE OUTPUT	OBQ05SC12	OBQ12SC12	OBQ15SC12	OBQ24SC12		
Input Characteristic						
Input Voltage DC[V]	12	12	12	12		
Input Range DC[V]		9-	9-18V			
Inrush Current [A]		Not s	pecified			
at no load [mA](typical)	41	51	51	57		
at full load[mA](typical)	676	789	779	800		
Line Back Noise [mVp-p](typical)	200	100	200	200		
Efficiency [%] (typical) *1	74	77	77	78		



SC12 Output Specifications

			/lodel					
Specifications OBQ**SC12		<u>'</u>	nouei					
3WATTS/SINGLE/2 OUTPUT	OBQ05SC12	OBQ12SC12	OBQ15SC12	OBQ24SC12				
Output Voltage [V]	5	12	15	24				
Output Current [A]	0.5	0.25	0.20	0.13				
Voltage Tolerance +/-[mV](max) *2	100	240	300	480				
Ripple and Noise [mVp-p](max) *3			100					
Regulation								
a.Static Line Regulation [mV](max)	25	60	75	120				
b.Dynamic Line Regulation +/-[mV](max) *4	250	200	200	200				
c.Static Load Regulation [mV](max) *5	25	60	75	120				
[mV](max) *6								
[mV](max) *7								
d.Temperature Coefficient *8			C(maximum)					
e.Drift[mV](maximum) *9	40	75	90	135				
f.Dynamic Load Regulation +/- [mV](typ) *10	150	360	450	720				
g.Recovery Time *4, *10			S(typical)					
Rise up time			at rated input/output					
Hold up time		Not	specified					
Functions								
Overcurrent Protection *10	Foldback/Current Lim	niting with automatic re	ecovery at discontinuo	us short circuit condi				
Overvoltage Protection		Not	available					
Remote Sence	Not available							
IVEILIOIE OGIICE			available					
Trimming of output voltage[mV] *11	+250		available +350	+650				
	+250 -250	Not		+650 -4000				
Trimming of output voltage[mV] *11		+250 -900	+350					
Trimming of output voltage[mV] *11 [mV] *12		+250 -900	+350 -1600					
Trimming of output voltage[mV] *11 [mV] *12 Input Fuse Environmental		+250 -900 In	+350 -1600					
Trimming of output voltage[mV] *11 [mV] *12 Input Fuse Environmental Operating Temperature	-250	+250 -900 In	+350 -1600 stalled	-4000				
Trimming of output voltage[mV] *11	-250	Not +250 -900 In -20 3.5%/°C (50oC to 71°C	+350 -1600 stalled	-4000				
Trimming of output voltage[mV] *11 [mV] *12 Input Fuse Environmental Operating Temperature	-250	Not +250 -900 In -20 3.5%/°C (50oC to 71°C 20-90%/RHc	+350 -1600 stalled to +71°C	-4000				
Trimming of output voltage[mV] *11	-250	Not +250 -900 In -20 3.5%/°C (50oC to 71°C 20-90%/RH -20 20 to 90%/RH	+350 -1600 stalled to +71°C (out of warranty >=7 (non-condensing) to +85°C H(non-condensing)	-4000 '1°C)				
Trimming of output voltage[mV] *11	-250	Not +250 -900 In -20 3.5%/°C (50oC to 71°C 20-90%/RH -20 20 to 90%/RH	+350 -1600 stalled to +71°C (out of warranty >=7 (non-condensing) to +85°C	-4000 '1°C)				
Trimming of output voltage[mV] *11	-250	+250 -900 In -20 3.5%/°C (50oC to 71°C 20-90%/RH -20 20 to 90%/RF Primary-Secondary	+350 -1600 stalled to +71°C (out of warranty >=7 (non-condensing) to +85°C H(non-condensing)	-4000 '1°C)				
Trimming of output voltage[mV] *11	-250	Not +250 -900 In -20 3.5%/°C (50oC to 71°C 20-90%/RH -20 20 to 90%/RH Primary-Secondary ame Ground 50ΜΩ(r	+350 -1600 stalled to +71°C (out of warranty >=7 non-condensing) to +85°C H(non-condensing) AC500V for 1minut	-4000 (1°C)				
Trimming of output voltage[mV] *11	-250 Primary-Fra	Not +250 -900 In -20 3.5%/°C (50oC to 71°C 20-90%/RH -20 20 to 90%/RH Primary-Secondary ame Ground 50MΩ(r	+350 -1600 stalled to +71°C c) (out of warranty >=7 (non-condensing) to +85°C H(non-condensing) AC500V for 1minut ninimum) by DC500V i 2200	-4000 '1°C) Te nsulation tester				
Trimming of output voltage[mV] *11	-250 Primary-Fra	Not +250 -900 In -20 3.5%/°C (50oC to 71°C 20-90%/RH -20 20 to 90%/RH Primary-Secondary ame Ground 50MΩ(r	+350 -1600 stalled to +71°C c) (out of warranty >=7 (non-condensing) to +85°C H(non-condensing) AC500V for 1minut ninimum) by DC500V i	-4000 '1°C) Te nsulation tester				
Trimming of output voltage[mV] *11	-250 Primary-Fra	Not +250 -900 In -20 3.5%/°C (50oC to 71°C 20-90%/RH -20 20 to 90%/RH Primary-Secondary ame Ground 50MΩ(r tude 10-55Hz:19.6m/s²-20min 2! Co	+350 -1600 stalled to +71°C c) (out of warranty >=7 (non-condensing) to +85°C H(non-condensing) AC500V for 1minut ninimum) by DC500V i 2200	-4000 '1°C) Te nsulation tester				

- *1 at 25°C and rated input/output
- *2 OBQ**WC0512 satisfies the above-mentioned specifications at the same load conditions on both outputs
- *3 measured by a bayonet probe at the output connector at a 0 to 100MHz bandwidth
- *4 when input voltage changed from 4.5V to 16V rapidly at rated output
- *5 when output current changed from 0mA to rated current keeping the current of other output below minimum rated current at rated input
- *6 when output current changed from minimum rated current to rated current keeping the current of other output above minimum rated current at rated input
- *7 when output current of both outputs changed from 0mA to rated current identically at rated input
- *8 at -20 to +71°C
- *9 for 7hour period after 1hour warm-up at 25°C and rated input/output
- *10 when output current changed rapidly between 25% and 75% of rated current at rated input
- *11 to increase output voltage,put a resistor between pin"0" and trimming pin
- *12 to reduce output voltage,put a resistor between pin"+" and trimming pin



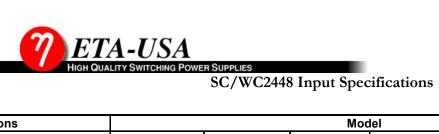
FIGH QUALITY S		POWER S		C1224 I	nput	Specific	cations					
Specifications		Model										
OBQ**SC/WC1224 3WATTS/SINGLE/2 OUTPUT	OBQ05	SC1224	OBQ12	SC1224	OBQ15	SC1224	OBQ24S	C1224	OBQ22V	VC1224	OBQ23	3WC1224
Input Characteristic												
Input Voltage DC[V]	12	24	12	24	12	24	12	24	12	24	12	24
Input Range DC[V]						8	3-32					
Inrush Current [A]				Not s	pecified				9A/DC	12V,18	A/DC24	V 10uS
Inrush Current [A]												
at no load [mA](typical)	22	24	28	29	28	29	30	30	35	31	32	29
at full load[mA](typical)	267	144	312	168	304	164	317	171	329	173	308	164
Line Back Noise [mVp-p](typical)	300	150	300	150	300	150	300	150	1000	500	1000	500
Efficiency [%] (typical) *1	78	72	80	74	82	76	82	76	79	75	81	76



SC/WC1224 Output Specifications

Specifications				Model							
OBQ**SC/WC1224 3WATTS/SINGLE/2 OUTPUT	OBQ05SC1224	OBQ12SC1224	OBQ15SC1224	OBQ24SC1224	OBQ22V	VC1224	OBQ23	3WC1224			
Output Voltage [V]	5	12	15	24	+12	-12	+15	-15			
Output Current [A]	0.5	0.25	0.20	0.13	0.013	-0.13	0.01	0-0.10			
Voltage Tolerance +/-[mV](maximum) *2	100	240	300	480	240	240	300	300			
Ripple and Noise [mVp-p](maximum) *3				100							
Regulation											
a.Static Line Regulation [mV](maximum)	25	60	75	120	60	60	75	75			
b.Dynamic Line Regulation +/-[mV](maximum) *4	200	200	200	200	300	300	300	300			
c.Static Load Regulation [mV](maximum) *5	25	60	75	120	±1000	±1000	±1200	±1200			
[mV](maximum) *6					±480 ±480 ±600						
[mV](maximum) *7					±60	±60	±75	±75			
d.Temperature Coefficient *8	0.03%/°C(maximum)										
e.Drift[mV](maximum) *9	40	75	90	135	75	75	90	90			
f.Dynamic Load Regulation [mV](maximum) *10	150	360	250	500	300	300	300	300			
g.Recovery Time *4, *10			20m	nS(typical)							
Rise up time			10mS(typical)	at rated input/out	put						
Hold up time				specified							
Functions											
Overcurrent Protection	Foldbad	k/Current Limitin	g with automatic	recovery at discor	ntinuos sh	ort circui	t conditio	ns			
Overvoltage Protection			Not	available							
Remote Sence			Not	available							
Trimming of output voltage[mV] (typical) *11	+250	+250	+350	+650							
[mV](typical) *12	-250	-900	-1600	-4000							
Input Fuse		•	Ir	nstalled	•						
Environmental											
Operating Temperature			-20) to 71°C							
(derating) *13		3.5	5%/(50°C to 71°C) (out of warranty	≧71°C)						
Operating Humidity			20-90%/RH	(non-condensing))						
Storage Temperature			-20	to +85°C							
Storage Humidity			20 to 90%/RI	H(non-condensing	3)						
Withstanding Voltage		Р		y AC500V for 1							
Isolation Resistance		Primary-Seco	ndary 50MΩ(m	inimum) by DC50	0V insulat	ion teste	r				
Capacitance(input-output) [pF](typical)		•	,	2200							
Vibration	5-10Hz:10mm dou	ıble amplitude.10-5	5Hz:19.6m/s ² .20min	utes' period for 60mi	inutes each	along X.Y	.Z axes(no	n-operating)			
Shock			2	94m/s ²			,				
Cooling			Co	nvection							
Weight (typical)			open b	oard type:6g							

- *1 at 25°C and rated input/output
- *2 OBQ**WC0512 satisties the above-mentioned specifications at the same load conditions on both outputs
- *3 measured by a bayonet probe at the output connector at a 0 to 100Mhz bandwidth
- *4 when input voltage changed from 8V to 32V rapidly at rated output
- *5 when output current changed from 0mA to rated current keeping the current of other output below minimum rated current at rated input
- *6 when output current changed from minimum rated current to rated current keeping the current of other output above minimum rated current at rated input
- *7 when output current of both outputs changed from 0mA to rated current identically at rated input
- *8 at -20 to +71°C
- *9 for 7hour period after 1hour warm-up at 25°C and rated input/output
- *10 when output current changed rapidly between 25% and 75% of rated current at rated input
- $^{\star}11$ to increase output voltage,put a resistor between pin"0" and trimming pin
- *12 to reduce output voltage,put a resistor between pin"+" and trimming pin
- *13 operating temperature of OBQ**WC1224 should be ≦71-2*(Ein-24) at input voltage from 24V to 32V (Ein=Input Voltage)



Specifications		Model										
OBQ**SC/WC2448 3WATTS/SINGLE/2 OUTPUT	OBQ05	DBQ05SC2448 OBQ12SC2448				SC2448	C2448 OBQ24SC2448		OBQ22WC2448		OBQ23\	NC2448
Input Characteristic												
Input Voltage DC[V]	24	48	24	48	24	48	24	48	24	48	24	48
Input Range DC[V]		18-72V										
Inrush Current [A]					1	Not spe	ecified					
Inrush Current [A]												
at no load [mA](typical)	10	11	15	15	15	15	15	15	14	14	14	14
at full load[mA](typical)	136	72	154	82	152	81	158	84.4	160	86	152	75
Line Back Noise [mVp-p](typical)	100	80	100	80	100	80	100	80	200	100	200	100
Efficiency [%] (typical) *1	76	72	81	76	82	77	82	77	81	76	82	76

Specifications	Model										
OBQ**SC/WC2448	OBQ05SC2448	OBQ12SC2448	OBQ15SC2448	OBQ24SC2448	OBQ22V	VC2449	OBO33/	NC2448			
3WATTS/SINGLE/2 OUTPUT	OBQ053C2446	OBQ123C2446	OBQ13302440	OBQ243C2440	OBQZZV	VC2440	ODQZJI	7702440			
Output Voltage [V]	5	12	15	24	+12	-12	+15	-15			
Output Current [A]	0.5	0.25	0.20	0.13	0.013	-0.13	0.010	-0.10			
Voltage Tolerance +/-[mV](maximum) *2	100	240	300	480	240	240	300	300			
Ripple and Noise [mVp-p](maximum) *3		•		100	•	•		•			
Regulation											
a.Static Line Regulation [mV](maximum)	25	60	75	120	60	60	75	75			
b.Dynamic Line Regulation +/-[mV](maximum) *4	250	200	200	200	300	300	300	300			
c.Static Load Regulation [mV](maximum) *5	25	60	75	120	±1000	±1000	±1200	±1200			
[mV](maximum) *6		±480 ±480									
[mV](maximum) *7		±60 ±60 ±75 ±									
d.Temperature Coefficient *8			0.03%/°C	C(maximum)							
e.Drift[mV](maximum) *9	40	75	90	135	75	75	90	90			
f.Dynamic Load Regulation [mV](maximum) *10	250	250	250	500	300	300	400	400			
g.Recovery Time *4, *10		20mS(typical)									
Rise up time			10mS(typical) at	rated input/out	out						
Hold up time			Not s	pecified							
Functions											
Overcurrent Protection	Foldback/0	Current Limiting	w ith automatic rec	overy at discon	tinuous s	hort cir	cuit condit	tions			
Overvoltage Protection				vailable							
Remote Sence			Not a	vailable							
Trimming of output voltage[mV] *11	+250	+250	+350	+650							
[mV] *12	-250	-900	-1600	-4000							
Input Fuse		-	Ins	talled	•						
Environmental											
Operating Temperature) +71℃							
(derating) *13		3.5%	/°C (50°C to 71°C))					
Operating Humidity				on-condensing)							
Storage Temperature			, ,) +85°C							
Storage Humidity			,	non-condensing	• •						
Withstanding Voltage			imary-Secondary								
Isolation Resistance		Primary-Seco	ndary 50MΩ(mini	mum) by DC500	V insulat	ion teste	er				
Capacitance(input-output) [pF](typical)	2200										
Vibration	5-10Hz:10mm double amplitude,10-55Hz:19.6m/s²,20minutes' period for 60minutes each along X,Y,Z axes(non-operating)										
Shock			294	4m/s²							
Cooling			Conv	vection							
Weight (typical)			open boa	ard type:6g							

- *1 at 25°C and rated input/output
- *2 OBQ**WC2448 satisfies the above-mentioned specifications at the same load conditions on both outputs
- *3 measured by a probe at the output connector at a 0 to 100MHz bandwidth
- *4 when input voltage changed from 18V to 72V rapidly at rated output
- *5 w hen output current changed from 0mA to rated current keeping the current of other output below minimum rated current at rated input
- *6 when output current changed from minimum rated current to rated current keeping the current of other outputl above minimum rated current at rated input
- *7 output current of both outputs changed from 0mA to rated current identically at rated input
- *8 at -20 to +71°C
- *9 for 7hour period after 1 hour warm-up at 25°C and rated input/output
- *10 when output current changed rapidly beween 25% and 75% of rated current at rated input
- *11 to increase output voltage, put a resistor between pin"0" and trimming pin
- *12 to reduce output voltage, put a resistor between pin"+" and trimming pin
- *13 out of warranty ≥ 50°C at input voltage from 63V to 72V

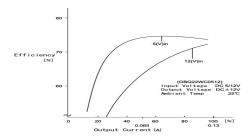


DIMENSION DIAGRAM 32 Top View Trim OV in -V out 27.94 ± 0.3 1 Double-sided PCB FR4t=1. 0 2 t=0.5 Insulator V0 3 1. ODIA PIN Material: BsB 2700 1/2H Copper Plating 1~3 \(\triangle m \) Solder Plating 3~6 \(\triangle m \)

* Tolerance ±0.5

Dimension Diagram OBQ-SC2448

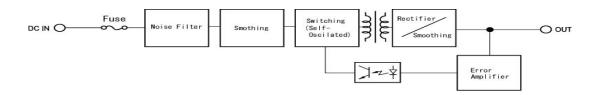
EFFICIENCY CURVE



Efficiency Curve OBQ22WC0512



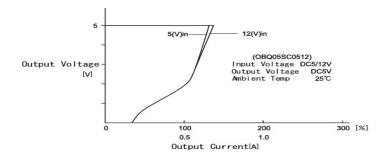
BLOCK DIAGRAM



Block diagram OBQ-SC



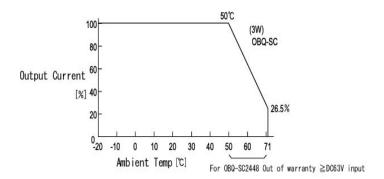
OCP CURVE



OCP Curve OBQ05SC0512



DERATING CURVE



Derating Curve OBQ-SC-3W