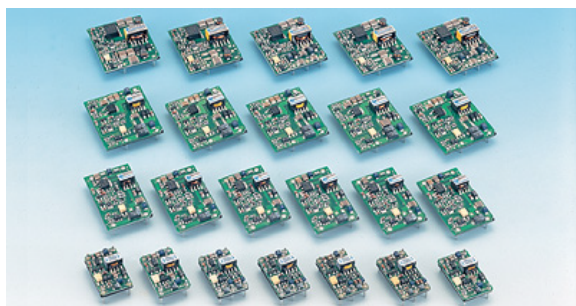




OER-SC/WC

6W Open Frame



FEATURES

- Compatibility type of PIN in the power supply unit market
- Realized wide range input (Ultra wide input)
- **Isolated Power Supply**



MODEL/CHANNEL		Unit	OER05SC	OER12SC	OER15SC	OER24SC	OER22SC	OER23SC						
OUTPUT	Output Voltage	Vdc	5	12	15	24	±12	±15						
	Output Current	A	1	0.5	0.4	0.26	0.26	0.2						
	Line Regulation max.	mV	25	60	75	120	60	75						
	Load Regulation max.	mV	25	60	75	120	1200	1500						
	Dynamic Line	mV	200	480	600	960	480	600						
	Dynamic Load	mV	200	480	600	960	480	600						
	Voltage Tolerance	mV	100	240	300	480	240	300						
	Drift	mV	40	75	90	135	75	90						
	Ripple and Noise(max.)	mVp	100											
	Temperature Coefficient	-	0.03%/°C(maximum)											
	Recovery Time	mS	20mS(typical)											
Rise Up Time	mS	10ms(typical) at rated input/output												
MODEL/CHANNEL		Unit	OER05 SC0512	OER12 SC0512	OER15 SC0512	OER24 SC0512	OER22 WC0512	OER23 WC0512						
INPUT	Input Voltage	Vac	5	12	5	12	5	12	5	12	5	12	5	12
	No Load	mA	65	65	67	72	75	75	95	85	105	90	102	87
	Full Load	mA	1345	575	1576	666	1558	657	1590	660	1664	680	1571	640
	Line Back Noise	Hz	300	150	300	150	300	150	300	150	300	150	300	150
	Efficiency (typical)	%	74	72	76	75	77	76	78	78	75	76	76	77
	Input Voltage Range	Vdc	4.5-16											





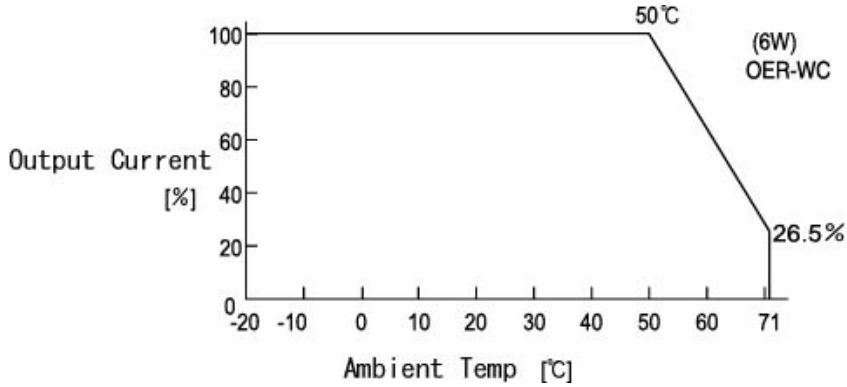
MODEL/CHANNEL		Unit	OER05 SC1224		OER12 SC1224		OER15 SC1224		OER24 SC1224		OER22 WC1224		OER23 WC1224	
INPUT	Input Voltage	Vac	12	24	12	24	12	24	12	24	12	24	12	24
	Input Leak Voltage	mA	25	29	30	34	32	34	33	37	38	40	40	43
	No Load	mA	520	270	609	315	598	310	619	315	638	325	606	312
	Rated Load	mVp	400	200	400	200	400	200	400	200	400	200	400	200
	Efficiency (typical)	%	80	77	82	79	83	80	85	82	81	80	82	80
	Input Voltage Range	Vdc	8-32											
MODEL/CHANNEL		Unit	OER05 SC2448		OER12 SC2448		OER15 SC2448		OER24 SC2448		OER22 WC2448		OER23 WC2448	
INPUT	Input Voltage	Vac	24	48	24	48	24	48	24	48	24	48	24	48
	Input Range No Load	mA	11	13	14	16	14	16	16	17	17	18	18	18
	Input Range Full Load	mA	261	133	306	155	302	153	309	154	322	161	303	153
	Line Back Noise	Hz	500	300	500	300	500	300	500	300	500	300	500	300
	Efficiency (typical)	%	79	78	81	80	82	81	84	83	80	80	82	82
	Input Voltage Range	Vdc	18-72											
Environment	Operating Temperature	°C	-20 to 71°C											
	(derating)	°C	3.5%/°C (50°C to 71°C) (out of warranty >=71°C)											
	Operating Humidity	%	20-90%/RH(non-condensing)											
	Storage Temperature	°C	-20 to +85°C											
	Withstanding Voltage	-	Primary-Secondary AC500V for 1minute											
	Isolation Resistance	-	Primary-Secondary 50MW(minimum) by DC500V insulation tester											
	Shock	-	30G											
	Cooling	-	Convection											
	Vibration	-	5-10Hz: 10mm double amplitude,10-55Hz: 2G, 20 minutes period for 60 minutes each along X,Y,Z axes(non-operating)											
	Function	Capaticance	-	2200										
Overcurrent Protection		-	Current Limiting with automatic recovery at discontinuous short circuit conditions											
Input Fuse		-	Installed											
>=110% Rated Output Current		A	1.1	0.55	0.44	0.286	0.286	0.22						
Dimension	Size(WxHxD) / Weight	mm/g	39Wx46Dx19.5H open board type/10g											





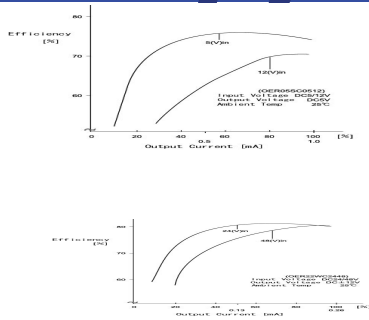
Derating Diagram

6W Open Frame



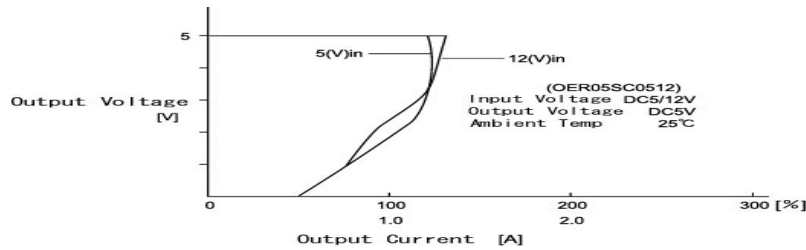
Efficiency Curve

6W Open Frame



OCP Curve

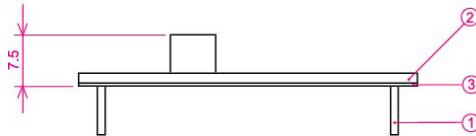
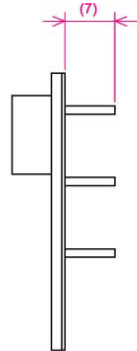
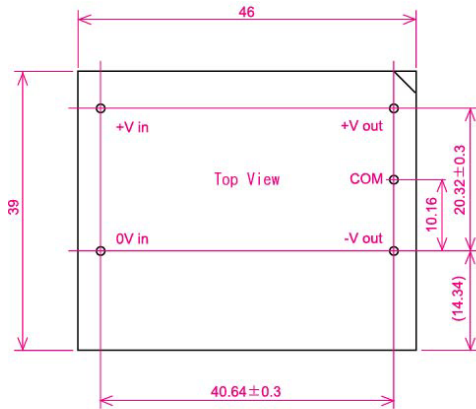
6W Open Frame





Dimension Diagram (mm)

6W Open Frame



- ① 1.0DIA PIN Material:BsB 2700 1/2H
Copper Plating 1~3 μ m
Solder Plating 3~8 μ m
 - ② Double-sided PCB FR4t=1.0
 - ③ t=0.5 Insulator V0
- * Tolerance ± 0.5

