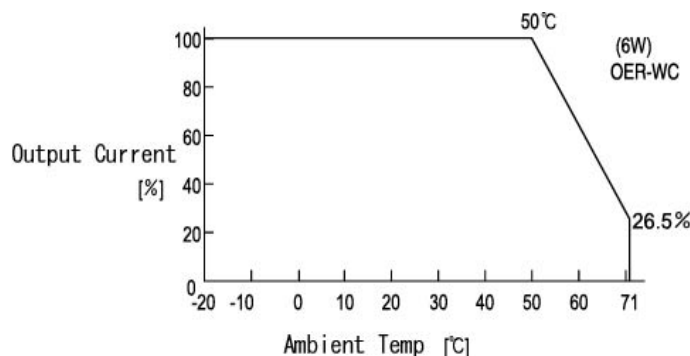


6 WATT DC-DC CONVERTER

OER- SC / WC 1224
SINGLE/ DUAL CHANNEL

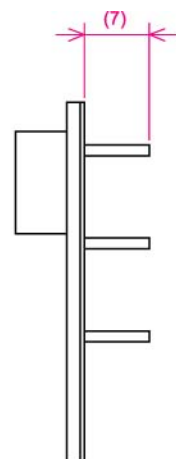
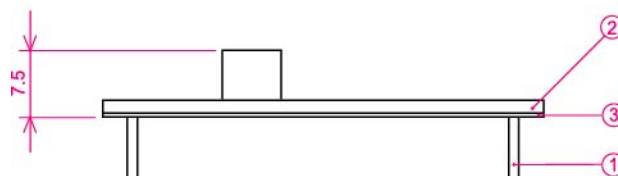
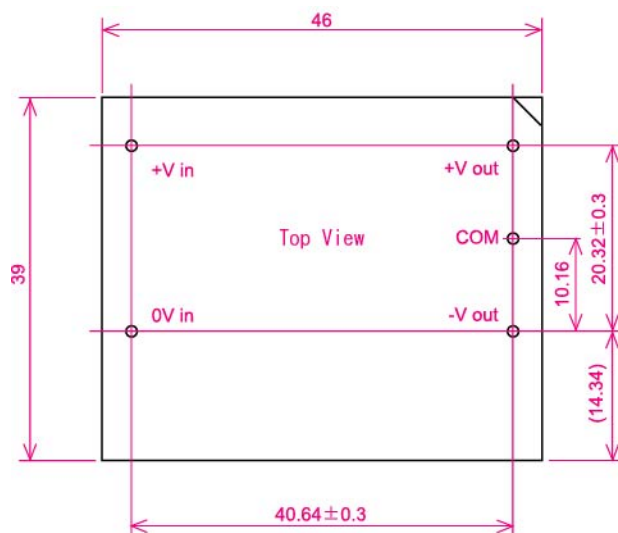
Specifications OER**SC/WC1224 6WATTS/SINGLE/2 OUTPUT	Model											
	OER05SC1224	OER12SC1224	OER15SC1224	OER24SC1224	OER22WC1224	OER23WC1224						
Input Voltage DC[V]	12	24	12	24	12	24	12	24	12	24	12	24
Input Range DC[V]	8-32											
Inrush Current [A]	Not specified											
Input Range												
at no load [mA](typical)	25	29	30	34	32	34	33	37	38	40	40	43
at full load[mA](typical)	520	270	609	315	598	310	619	315	638	325	606	312
Line Back Noise [mVp-p](typical)	400	200	400	200	400	200	400	200	400	200	400	200
Efficiency [%] (typical) *1	80	77	82	79	83	80	85	82	81	80	82	80

Derating Curve



Specifications OER**SC/WC1224 6WATTS/SINGLE/2 OUTPUT	Model							
	OER05SC1224	OER12SC1224	OER15SC1224	OER24SC1224	OER22WC1224		OER23WC1224	
Output Voltage [V]	5	12	15	24	+12	-12	+15	-15
Output Current [A]	1	0.50	0.40	0.26	0.026-0.26		0.020-0.20	
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	480	600	960	480	480	600	600
c.Static Load Regulation +/-[mV](maximum) *5	25	60	75	120	1200	1200	1500	1500
+/-[mV](maximum) *6					480	480	600	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	200	480	600	960	480	480	600	600
g.Recovery Time *4,*10	20mS(typical)							
Rise up time	10ms(typical) at rated input/output							
Hold up time	Not specified							
Functions								
Overcurrent Protection	Current Limiting with automatic recovery at discontinuous short circuit conditions							
>=110% of Rated Output Current	1.1	0.55	0.44	0.286	0.286	0.29	0.22	0.22
Overvoltage Protection	Not available							
Remote Sence	Not available							
Trimming of output voltage[mV]	Not available							
Input Fuse	Installed							
Environmental								
Operating Temperature	-20 to 71°C							
(derating)	3.5°°C (50°C-71°°C) (out of Warranty> 71°°C)							
Operating Humidity	20-90%/RH(non-condensing)							
Storage Temperature								
Storage Humidity	20 to 90%/RH(non-condensing)							
Withstanding Voltage	Primary-Secondary AC500V for 1minute							
Isolation Resistance	Primary-Secondary 50MW(minimum) by DC500V insulation tester							
Capacitance(input-output) [pF](typical)	2200							
Vibration	5-10Hz:10mm double amplitude,10-55Hz:2G,20minutes' period for 60minutes each along X,Y,Z axes(non-operating)							
Shock	,8G							
Cooling	Convection							
Weight (typical)	open board type:10g							

Dimension Diagram



- 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