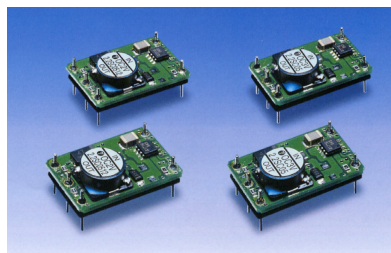




OC1-SC2448



FEATURES:

- **Non-isolated DC/DC**
- Adjustable Output Voltage (OC2V, OC3V)
- MTBF: Over 1.5 Million Hours
- Remote ON/OFF control for OC1

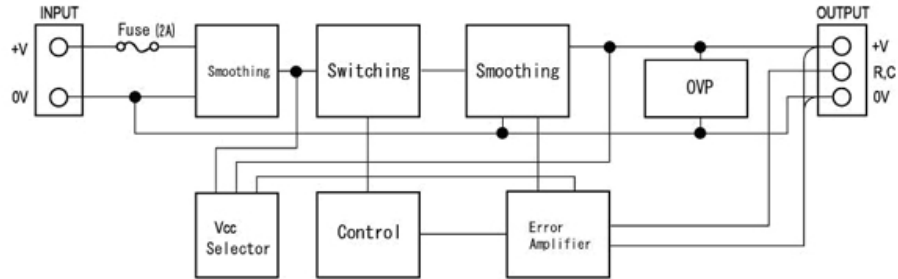


MODEL/CHANNEL		Unit	OC1-SC2448
OUTPUT	Output Voltage	Vdc	24
	Output Current	A	1.2
	Voltage Tolerance (maximum)	+/-mV	720
	Line Regulation	mV	120
	Load Regulation	mVp	120
	Ripple and Noise	mVp	200
	Temperature Coefficient *5	-	0.03%/°C(maximum) at temperature -20 to +71°C
	Recovery Time *3,*7	-	5mS(typical)
	Rise up time	-	5mS(maximum) at rated input/output
	Drift	mV	135
	Dynamic Line Regulation	mV	400
Dynamic Load Regulation	mV	200	
INPUT	Input Voltage	mV	48
	Input Range	mV	40.8 to 56
	at no load (typical)	mA	5
	at full load (typical)	mA	645
	Input Current; 5V Op Model	A	0.56
	Line Back Noise	mVp	3
Efficiency (typical) *1	%	93	
Protection	Over Current Protection	A	Current Limiting with automatic recovery
	Overvoltage Protection	-	12
	≥ 110% Rated Output Current	A	1.54
	Remote Control	-	Turn on by inputing voltage(4.5 to 56V) between "RC"pin and "0V"pin. Put a 5k ohm resistor between "+ in"pin and "RC"pin when remote on/off is not used
Environment	Operating Temperature	°C	-20 to +71°C
	(derating)	-	2%/°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
	Storage Humidity	-	20 to 90%/RH(non-condensing)
	Vibration	-	5-10Hz:10mm double amplitude, 10-55Hz:2G, 3minutes' period for 30 minutes each along X, Y, Z axes(non-operating)
	Cooling	-	Convection
Shock Test	-	30G	
Dimension	Weight	mm/g	21.4Lx32Wx10H open board type/8g

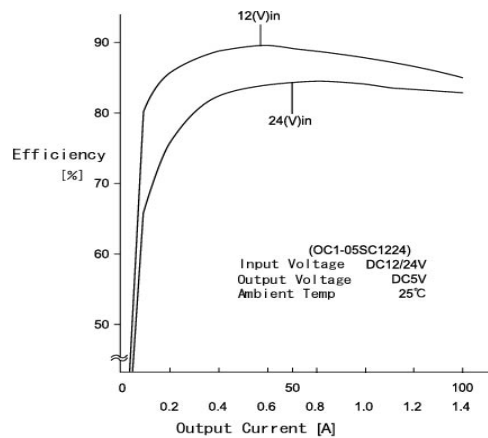




Block Diagram

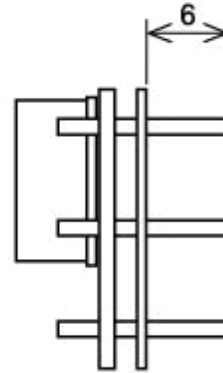
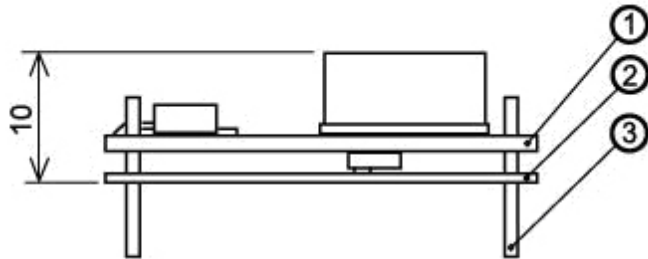
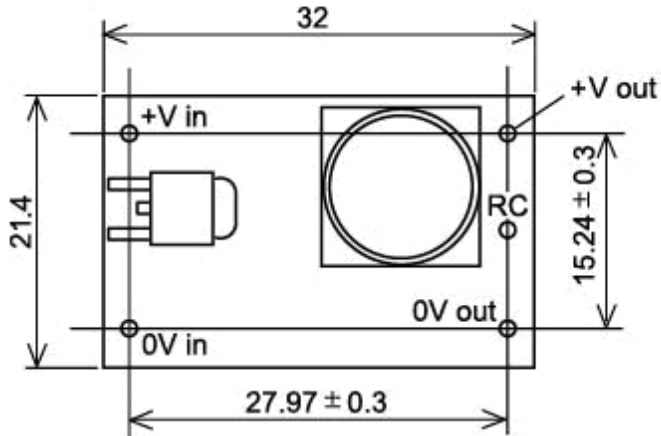


Temperature Derating Curve





Dimension Diagram (mm)



Turn on by inputting voltage (4.5 to 56V) between "RC" pin and "0V" pin. Put a 5k ohm resistor between "+ in" pin and "RC" pin when remote on/off is not used

- ① Double-sided PCB FR4t=1.0
- ② t=0.5 Insulator UL94V0
- ③ 1.0DIA PIN Material:BsB 2700 1/2H

Solder Plating

*Tolerance ± 0.5

