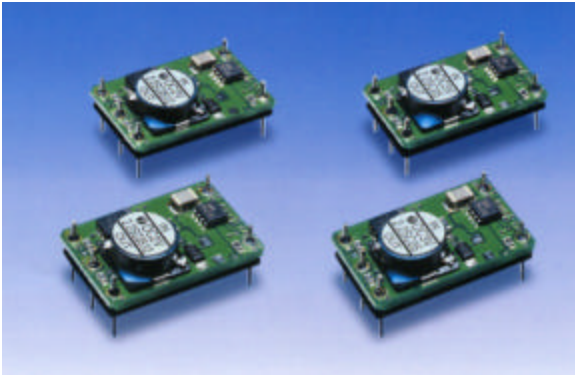
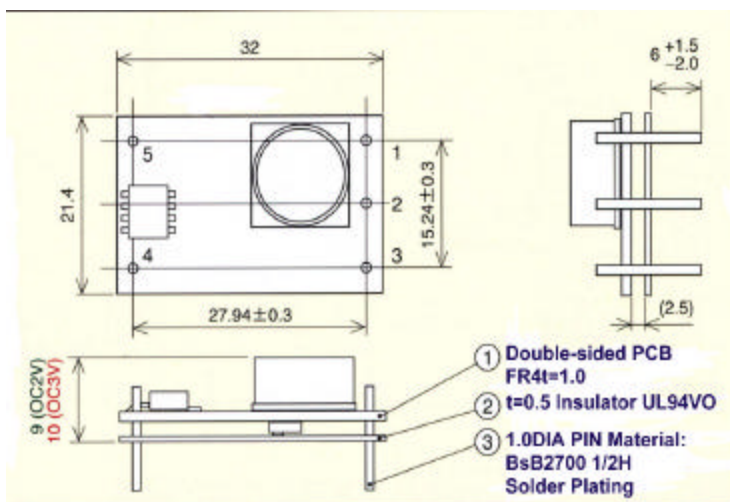


3~10WATT NON-ISOLATED DC-DC CONVERTER

OC3V –2.2SC05



Specifications<DC/DC> OC3V-2.2SC05 SINGLE	Model		
	OC3V-2.2SC05		
Input			
Input Voltage DC [V]	5		
Input Voltage Range DC [V]	4.5 to 5.5		
Input Current Range			
At no load [mA](typical)	6	6	6
At full load [mA](typical)	1230	177	2310
Input Voltage [V] in	5	5	5
Input Fuse	Installed [4A]		
Efficiency [%] (typical)	73	81	85



Terminal No.	Connection
1	+Vout
2	RC
3	0Vout
4	0Vin
5	+Vin

Specifications<DC/DC>	Model		
OC3V-2.2SC05 (SINGLE)	OC3V-2.2SC05		
Default Output Voltage [V]	+2.28 +/-0.2		
Output	1.5V	2.4V	3.3V
Switching Frequency [kHz]	130(fixed)(may decrease by 50% depending on output/input conditions)		
Output Voltage [V]	+1.5 to 3.3		
Output Current [A]	3.0		
Ripple and Noise [mVp-p](maximum)	100		
Regulation			
a. Static Line Regulation [V]	Less than 1% of output voltage at input voltage 4.5 to 5.5V		
Basaltic Load Regulation	Less than 4% of output voltage at input voltage 5.0V and load 0 to 3A		
	Less than 0.9% of output voltage at input voltage 5.0V and load 0.3 to 3A		
Recovery Time	5mS(maximum)		
Rise up time	300mS(maximum)		
Functions			
Over current Protection	Current Limiting with automatic recovery		
Over voltage Protection	Not available		
Trimming of output voltage	Not available		
Input Fuse	Installed [4A]		
Environmental			
Operating Temperature	-20 to +71C		
(derating)	2%/C (50C to 71C) (out of warranty on/over 71C)		
Operating Humidity	20-90%/RH (non-condensing)		
Storage Temperature	-20 to +85C		
Storage Humidity	20 to 90%/RH (non-condensing)		
Vibration	5-10Hz: 10mm double amplitude, 10-550Hz: 24.5m/S ² , each along X, Y, Z axes (non-operating)		
Shock	294m/S ²		
Cooling	Convection		
Weight (typical)	Open board type: 7g		