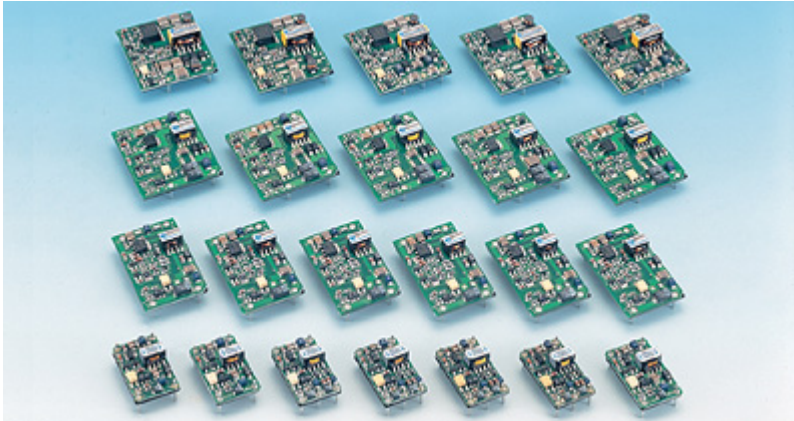


# 10 WATT DC-DC CONVERTER

## OES- SC / WC05 SINGLE/ DUAL CHANNEL



Application	
Industrial	
Input	
<b>Input Voltage:</b>	DC 5V
<b>Input Voltage Range:</b>	4.5~9VDC
<b>Inrush Current:</b> *1	Not specified

Features
Compatibility type of PIN in the power supply unit market
Realized wide range input (Ultra wide input)
Over current protection
Options

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Output Characteristic	Unit	Models						
		OES3.3 SC05	OES05 SC05	OES12 SC05	OES15 SC05	OES24 SC05	OES22 WC05	OES23 WC05
Output Voltage	Vdc	3.3	5	12	15	24	+12/ -12	+15/ -15
Output Current	A	2	2	0.9	0.7	0.45	0.45/ 0.45	0.35/ 0.35
Voltage Adjust Range	V	±5% of stated output						
Ripple & Noise(max)	mVp p	100						
Rise time	mS	500						
Hold up time	mS	Not specified						
Static Line Regulation	mV	16.5	25	60	75	120	60	75
Static Load Regulation	mA	16.5	25	60	75	120	60	75
Dynamic Line Regulation	mV	N/A	200	360	450	750	360	450
Dynamic Load Regulation	mA	N/A	200	360	450	750	360	450
Drift	mV	N/A	45	75	90	135	75	90
Recovery Time	mS	1 (typ.)						

Efficiency *1	%	80~84%						
Power Factor *1		N/A						

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**Sub.ETA ELECTRIC IND., CO. LTD.**  
 16170 Vineyard Blvd. #180  
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<b>Environmental Specification</b>	
Operating Temperature*3	-20°C to +71 °C
Derating Curve	3.5% at 50°C to 71°C
Operating Humidity	20~90[%RH] (non-condensing)
Storage Temperature	-20 to +85 °C
Storage Humidity	20~90[%RH] (non-condensing)
Withstanding Voltage	Primary-Secondary AC 500V for 1 minute
Isolation Resistance	Primary-Secondary 50MW(minimum) by DC500V insulation tester
Vibration	5-10Hz:10mm double amplitude,10-55Hz:2G,20minutes' period for 60minutes each along X,Y,Z axes(non-operating)
Shock	30G
Cooling	Convection
Temperature Coefficient	0.03%/°C
<b>Function/Protection</b>	
Over current Protection	Current limiting with automatic recovery
Over voltage Protection	Not available
Short Circuit Protection	Not available
Remote Sense	Not available
Remote Control	Not available
Series Operation	No information available
Parallel Operation	No information available
Input Fuse	Installed
<b>Mechanical</b>	
Dimension [mm]	39 x 46 x 8.5
Weight [g] (typical)	14g

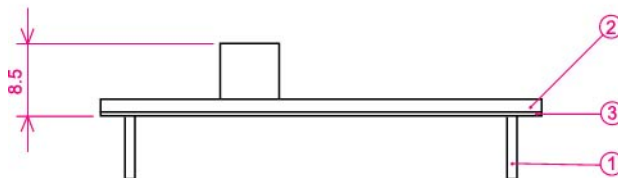
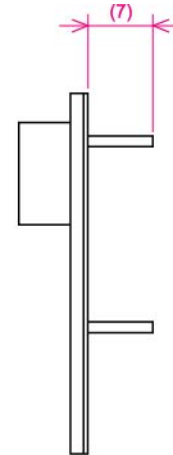
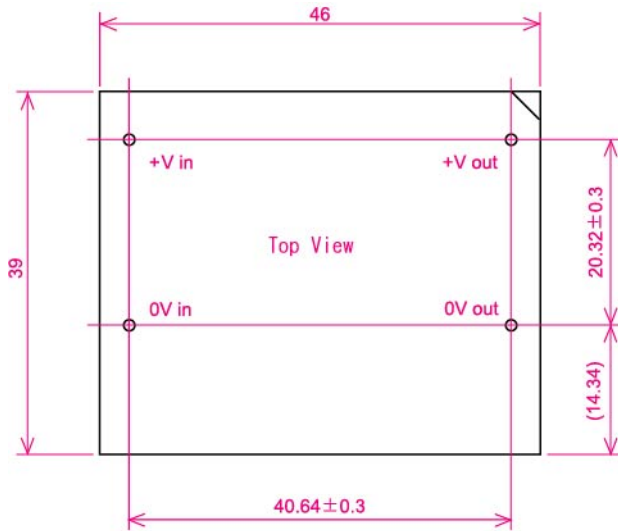
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## Dimension Diagram



① 1.0DIA PIN Material:BsB 2700 1/2H  
Solder Plating

② Double-sided PCB FR4t=1.0

③ t=0.5 Insulator V0

\*Tolerance  $\pm 0.5$

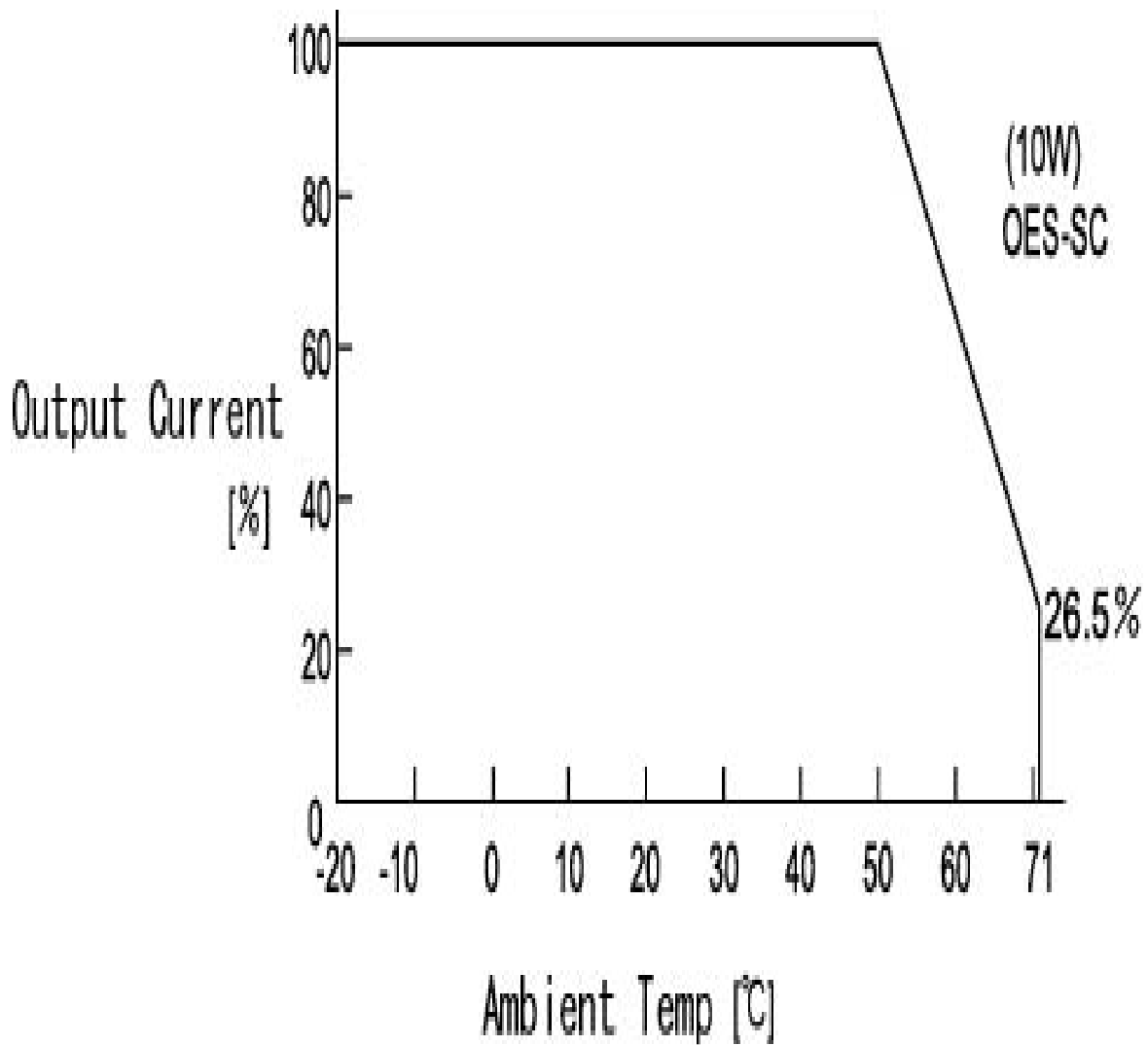
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## Derating Curve



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