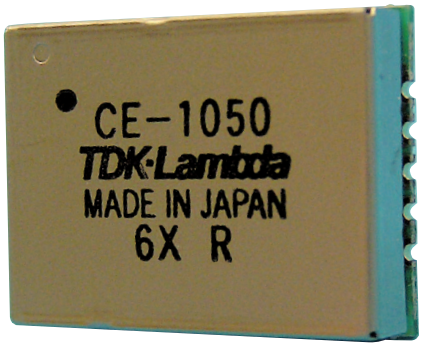
LAMBDA



Manufactured by TDK
TDK-Lambda is a collaborative product brand between TDK and the Lambda group.

CE 1050 Series

1.2 - 2.5A Point of Load Converter

- 9 to 26V Input
- 3.3 to 12V Outputs
- Surface Mount
- Low 5.5mm Profile
- Non Isolated Output

Key Market Segments & Applications

Telecommunications
Datacom
Instrumentation

CE 1050 Features and Benefits

Features	*Benefits*
Wide range output	Reduces need for custom models
Constant switching frequency	Easier system filtering
Five sided shielding	Reduced EMI

Specifications

ITEMS \ MODELS		CE-1050
Nominal Output Voltage (1)	VDC	+3.3 to +12.6
Input Voltage Range	VDC	9 - 26.4
Input Current (max)	A	1.8
Output Voltage Tolerance	%	N/A
Ripple & Noise (typ) (pk - pk)	mV	50
Total Regulation (typ)	mV	Vout=3.3 to 5.0:±3.5%; Vout ø5.0: ±5%
Overload Protection	A	3.5
Overvoltage Protection	-	None
Remote Sense	-	None
Remote On / Off	-	Voltage on pin 5: ON = 3 - 6V; OFF= 0 - 0.3V
Sequencing	-	None
Temperature (operating)	°C	-20 to +85°C
Temperature (storage)	°C	-20 to +85°C
Humidity (operating)	-	10-90% RH Non condensing @ max temp 38°C
Humidity (storage)	-	Sealed packaging, see Technical Download
Cooling	-	Convection or forced air
Isolation Voltage	VDC	N/A
Vibration (non operating)	-	Frequency: 10-2000Hz, Sweep time: 4 minutes per cycle Amplitude: 10G, 30 minutes each x, y, and z direction
Shock	-	Peak Acceleration: 100G, Duration: 6msec; three times each axis
Safety Agency Approvals	-	N/A
Weight (max)	g	3.7
Size	mm	21.3 x 16.4 x 5.5
Warranty	-	1 year

Notes: (1) Input / output voltage differential must be at least 4V.

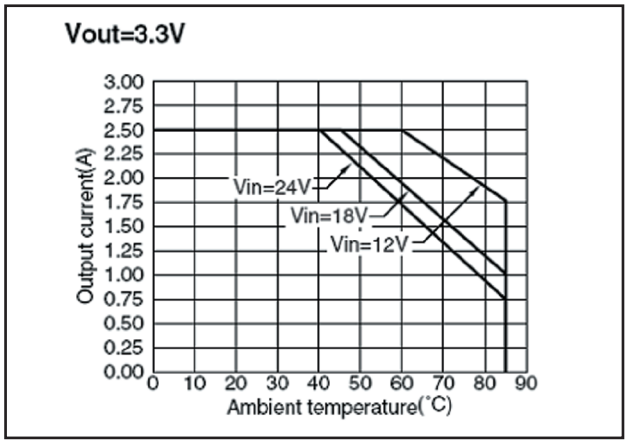
Model Selector

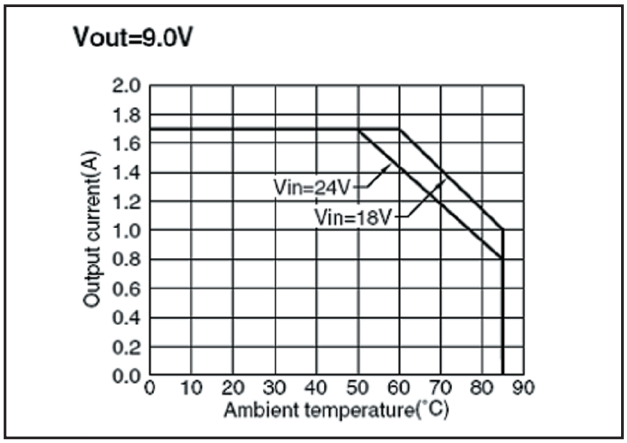
Model	Output[1] Voltage (V)	Output[1] Adjust (V)	Output Current (A)	Efficiency (typ)
CE-1050	3.3 - 12.6V	3.3 - 12.6V	see curves	90%

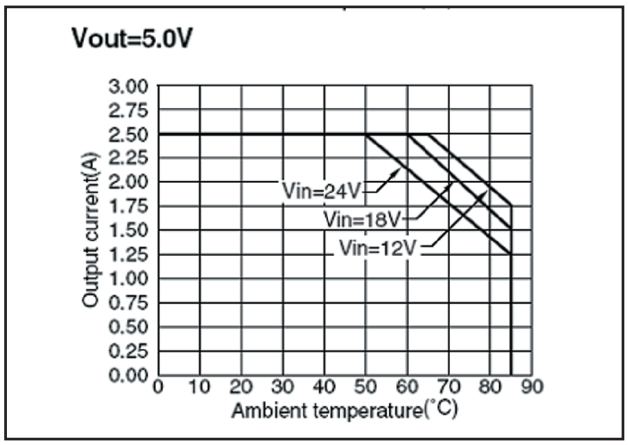
Options

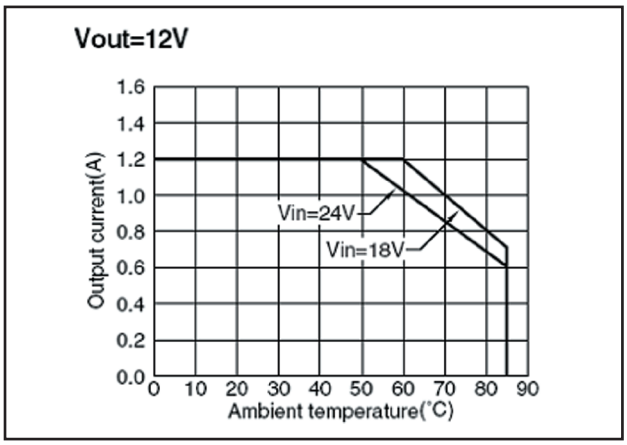
Suffix	Description
Blank	Tape package
/T	Tape and reel (400 per reel)

Derating Curve

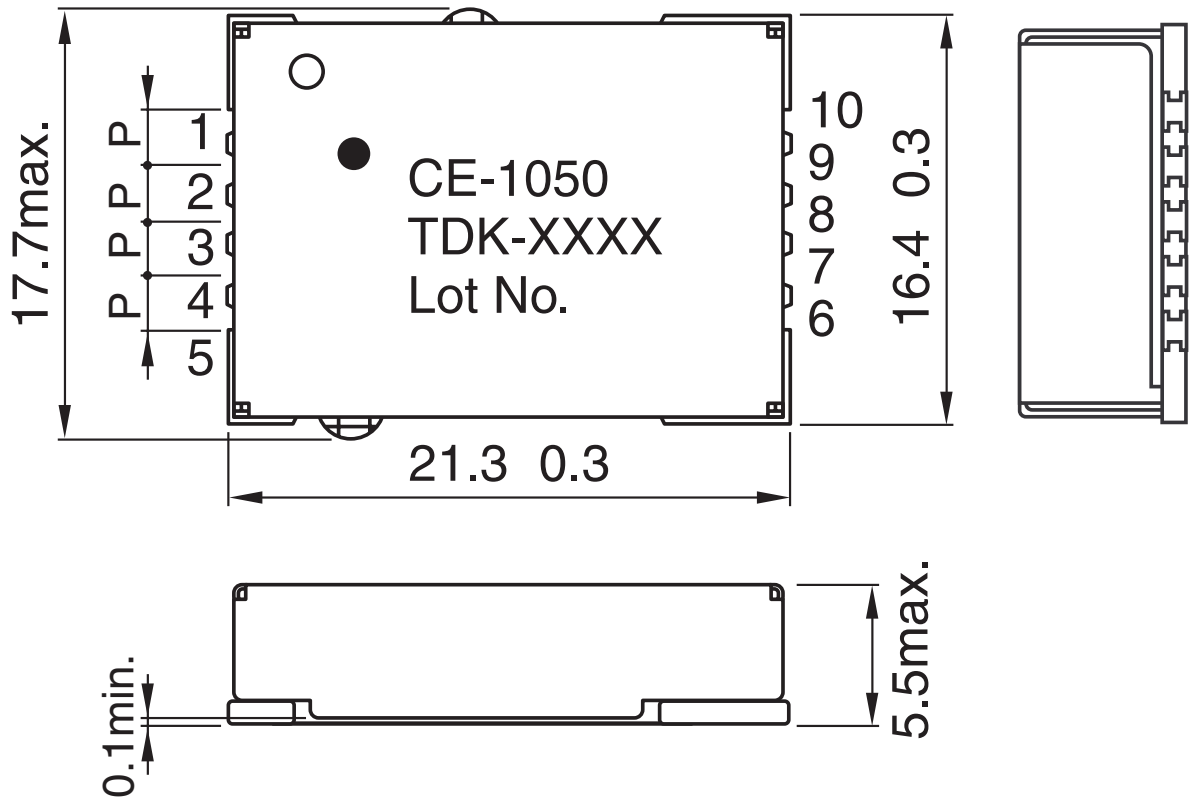








Outline Drawing



Pinout

PIN	Function	Description
1	Vin	+V input
2	Vin	+V input
3	GND	-V input
4	GND	-V input
5	On / Off	Remote On/Off
6	GND	-V output
7	GND	-V output
8	Vset	Output trim
9	Vout	+V output
10	Vout	+V output

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