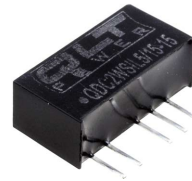


QDC2WSIL

1KV ISOLATED, 2W UNREGULATED DUAL OUTPUT, SIL 7 PACKAGE, MTBF>1M HOURS

Available Inputs:
5, 12, 15 and 24 VDC

Available Outputs:
(+/-) 3.3, 5, 9, 12, 15 and 18 VDC



Electrical Specifications

(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

Input Specifications

Voltage range +/- 10 %
 Filter Capacitors
 Isolation Specifications
 Rated voltage 1000 VDC
 Leakage current 1 mA
 Resistance 10⁹ Ohm
 Capacitance 60 pF type.

Output Specifications

Voltage accuracy +/- 5 %, max.
 Ripple and noise (at 20 MHz BW) 75 mV p-p, max.
 Short circuit protection Momentary
 Line voltage regulation +/- 1,2 % / 1,0 % of Vin
 Load voltage regulation +/- 8 %, load = 20 ~ 100 %
 Temperature coefficient +/- 0,02 % / °C

General Specifications

Efficiency 70 % to 85 %
 Switching frequency 125 KHz, type.

Environmental Specifications

Operating temperature (ambient) - 40° C to + 85° C
 Storage temperature - 55° C to + 125° C
 Derating See graph
 Humidity Up to 90 %, non condensing
 Cooling Free air convection

Physical Characteristics

Dimensions SIL 19,50 x 7,00 x 9,50 mm
 0,76 x 0,28 x 0,37 inches
 Weight 2 .5g
 Case material Non conductive black plastic

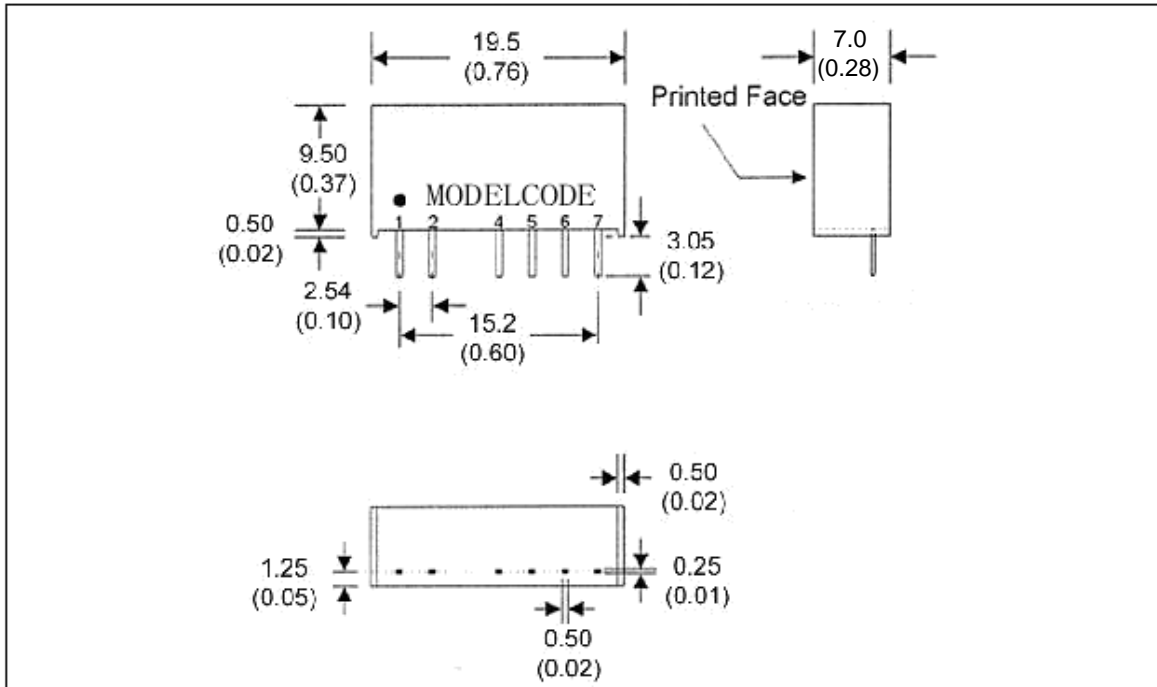
Examples of Part Numbers

PART NO.	INPUT VOLTAGE (VDC)	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (max. mA)	EFFICIENCY FULL LOAD (% TYPE.)
QDC2WSIL5/5-5	5	28	555	+/-5	+/-200	72
QDC2WSIL5/15-15	5	36	486	+/-15	+/-67	82
QDC2WSIL12/5-5	12	22	225	+/-5	+/-200	74
QDC2WSIL12/12-12	12	20	208	+/-12	+/-84	80
QDC2WSIL12/15-15	12	20	208	+/-15	+/-67	80
QDC2WSIL24/5-5	24	11	111	+/-5	+/-200	75
QDC2WSIL24/12-12	24	8	102	+/-12	+/-84	81
QDC2WSIL24/15-15	24	8	102	+/-15	+/-67	82

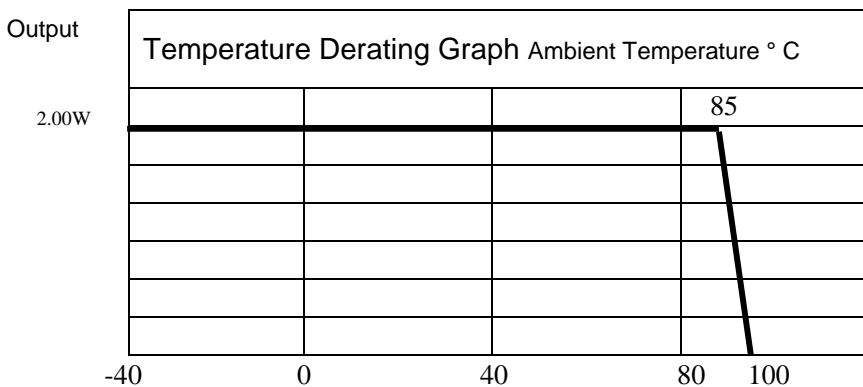
QDC2WSIL

1KV ISOLATED, 2W UNREGULATED DUAL OUTPUT, SIL 7 PACKAGE, MTBF>1M HOURS

Dimensions



Derating Graph and Pinning



Pin	Connection		
1	+	V _{in}	Input
2	-	V _{in}	Input
3			Omitted
4	-	V _{out}	Output
5	0	0V	Common
6	+	V _{out}	Output
7			Omitted