

SELECTION GUIDE							
	1	2	3	4	5	6	7
X 0 0 0 0 0 0	S	S	X H H	X H	-	X S	S 2
X 0 0 X 0 0 0	S	X	S	X H			- S
X 0 0 0 0 0 0	S	S		X S	-	2 H	
X X 0 0 0 0 0	X	S	X H H	X	-		2 S S
X X X 0 0 0 0	X	X	S	H		S S	S -
X X X 0 0 0 0	X	S		H		S	
X 0 0 0 0 0 0	S	S	X H H	-	-	X	X H
X X X 0 0 0 0	S	X	S	S S		S S	- H
X X 0 0 0 0 0	S	S		S 2	S		S H
X 0 0 0 0 0 0	X 2	S	X H H	H	H		X S
X X 2 X 0 0 0	X 2	X	S	S	S	- S	S 2
X X 2 0 0 0 0	X 2	S		S X	S H	X X	S

1 2 3 4 5 6 7

**OUTPUT CHARACTERISTICS**

Parameter	Conditions	Min.	Typ.	Max.	Units
Rated Power	TA = -40°C to 120°C			1	W
Voltage Set Point Accuracy	See tolerance envelope				
Line regulation	High VIN to low VIN		1.0	1.2	% %

**Isolation Characteristics**

Parameter	Conditions	Min.	Typ.	Max.	Units

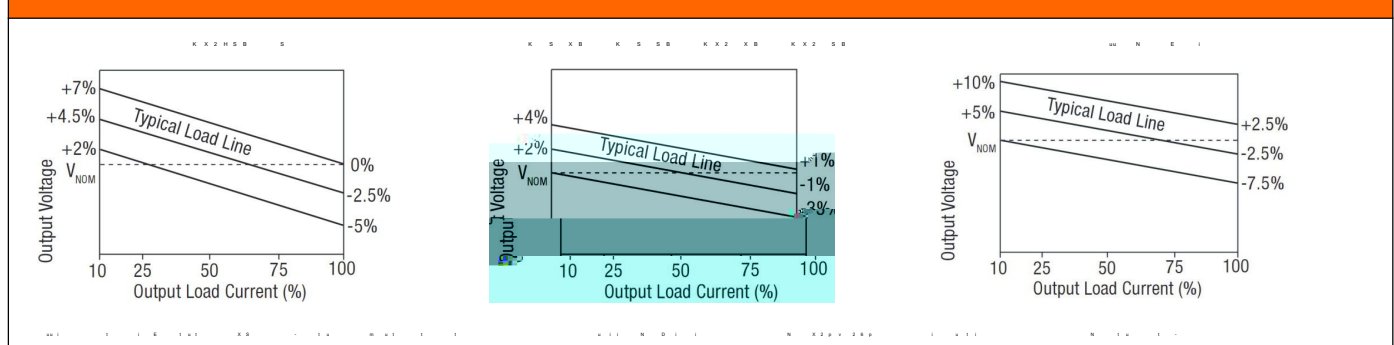
**General Characteristics**

Parameter	Conditions	Min.	Typ.	Max.	Units

**Temperature Characteristics**

Parameter	Conditions	Min.	Typ.	Max.	Units
					°C

**TOLERANCE ENVELOPE**



**Technical notes**

**ISOLATION VOLTAGE**

1. The isolation voltage test is performed on the output terminals of the converter. The test is performed by applying a high voltage source to the output terminals and measuring the current flowing through the isolation barrier. The test is performed at a frequency of 50 Hz and a duration of 1 minute. The test is performed at a temperature of 25°C. The test is performed at a humidity of 50%.

2. The isolation voltage test is performed on the input terminals of the converter. The test is performed by applying a high voltage source to the input terminals and measuring the current flowing through the isolation barrier. The test is performed at a frequency of 50 Hz and a duration of 1 minute. The test is performed at a temperature of 25°C. The test is performed at a humidity of 50%.

3. The isolation voltage test is performed on the output terminals of the converter. The test is performed by applying a high voltage source to the output terminals and measuring the current flowing through the isolation barrier. The test is performed at a frequency of 50 Hz and a duration of 1 minute. The test is performed at a temperature of 25°C. The test is performed at a humidity of 50%.

**REPEATED HIGH-VOLTAGE ISOLATION TESTING**

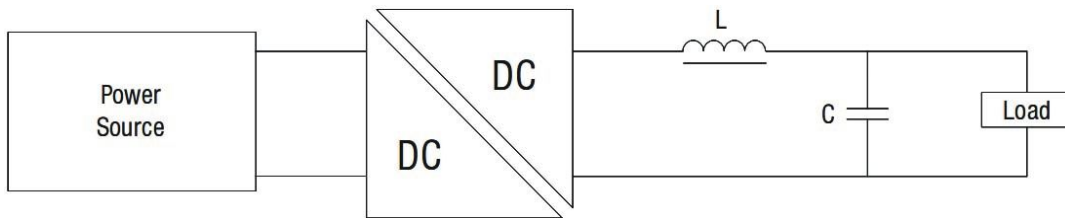
1. The repeated high-voltage isolation test is performed on the output terminals of the converter. The test is performed by applying a high voltage source to the output terminals and measuring the current flowing through the isolation barrier. The test is performed at a frequency of 50 Hz and a duration of 1 minute. The test is performed at a temperature of 25°C. The test is performed at a humidity of 50%.

2. The repeated high-voltage isolation test is performed on the input terminals of the converter. The test is performed by applying a high voltage source to the input terminals and measuring the current flowing through the isolation barrier. The test is performed at a frequency of 50 Hz and a duration of 1 minute. The test is performed at a temperature of 25°C. The test is performed at a humidity of 50%.

3. The repeated high-voltage isolation test is performed on the output terminals of the converter. The test is performed by applying a high voltage source to the output terminals and measuring the current flowing through the isolation barrier. The test is performed at a frequency of 50 Hz and a duration of 1 minute. The test is performed at a temperature of 25°C. The test is performed at a humidity of 50%.

**OUTPUT RIPPLE REDUCTION**

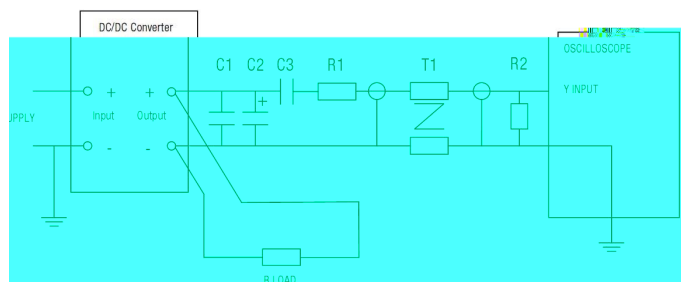
**Component selection**



**CHARACTERISATION TEST METHODS**

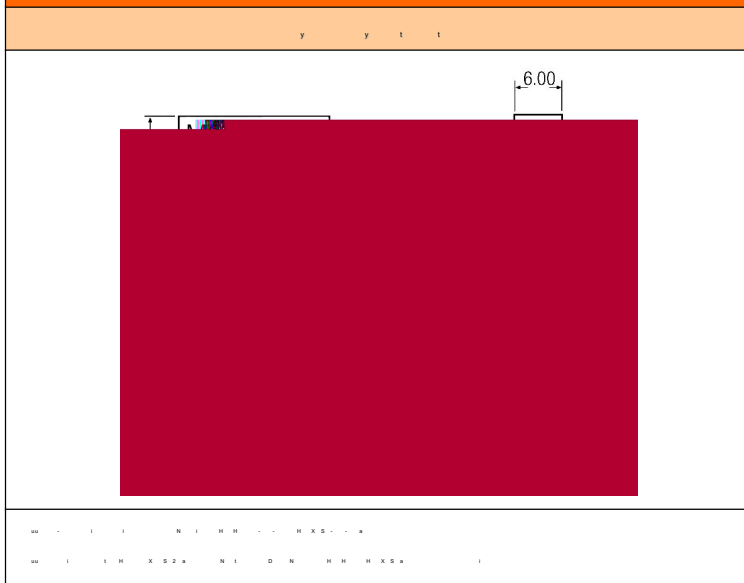
1	$\mu$	0.01	0.1	1	10	100	1000	10000	100000	1000000
2	$\mu$	0.01	0.1	1	10	100	1000	10000	100000	1000000
3	$\Omega$	0.01	0.1	1	10	100	1000	10000	100000	1000000
4	$\Omega$	0.01	0.1	1	10	100	1000	10000	100000	1000000
5	$\Omega$	0.01	0.1	1	10	100	1000	10000	100000	1000000
6	$\Omega$	0.01	0.1	1	10	100	1000	10000	100000	1000000
7	$\Omega$	0.01	0.1	1	10	100	1000	10000	100000	1000000

**Differential Mode Noise Test Schematic**



**PACKAGE SPECIFICATIONS**

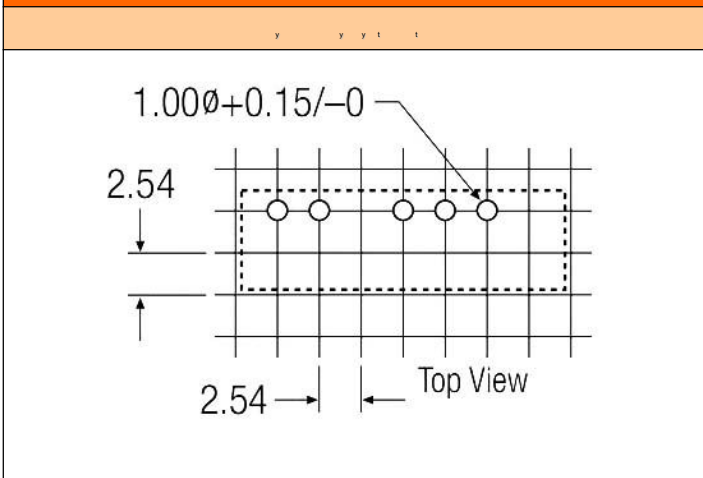
**MECHANICAL DIMENSIONS**



**FOOTPRINT**



**RECOMMENDED FOOTPRINT DETAILS**



**TUBE OUTLINE DIMENSIONS**

