

# MAX ECHO 鈺鎧科技股份有限公司規格標準書

## COMPONENT SPECIFICATION

版次：第1.0版

MAX ECHO

Name	Multilayer Power Inductors	COMPONENT SPECIFICATION		1 / 2
	PDLS-252006	SPEC#	PDLS252006-1R0M	

### 1. Scope

This specification applies to the PDLS-2520 series Multilayer Power Inductors

### 2. Standard and Atmospheric Conditions

Unless otherwise specified the standard range of atmospheric conditions for making measurements and tests is as follows:

Ambient temperature : 20±15°C

Relative humidity : 30~70%

If there may be any doubt on the results, measurements shall be made within the following limits :

Ambient temperature : 25±5°C

Relative humidity : 30~70%

### 3. Ratings

PART NO	INDUCTANCE AT1 MHz 250mV	SELF-RESONANT FREQUENCY(MHz) Min	DC RESISTANCE (Ω) Max	※ RATED CURRENT (mA)Max	Saturation Current DC Amps. Isat ( mA )	
					Max	Typ
PDLS252006-1R0M	1μH±20%	50	0.1	1700	1200	1500

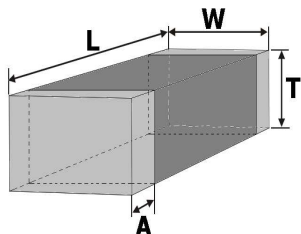
※The maximum rated current is measured at ambient temperature increasing to 40 °C within 2 hours.

Regarding to the inductance variability of rated current, please refer to page 2:

Inductance Vs. DC superposition characteristics.

Isat :DC current (A) that will cause L0 to drop approximately 30%

### 4. Dimensions



OPERATING TEMP. RANGE : -55°C ~ +125°C

STORAGE TEMP. RANGE : -40°C ~ +85°C

unit:

mm  
(inch)

TYPE	L	W	T	A(m/m)
PDLS-2520	2.5±0.2 (0.098±0.008)	2±0.2 (0.079±0.008)	0.6±0.1 (0.024±0.004)	0.4~0.8 (0.016~0.031)

PLANNED BY	CHECKED BY	APPROVED BY	<div style="border: 1px solid black; padding: 5px; display: inline-block;">鈺鎧文件中心 發行章</div>
Lun	Hans	Jeffery	

# MAX ECHO 鈺鎧科技股份有限公司規格標準書

## COMPONENT SPECIFICATION

版次：第1.0版

MAX ECHO

Name	Multilayer Power Inductors	COMPONENT SPECIFICATION		2 / 2
	PDLS-252009	SPEC#	PDLS252006-1R0M	

