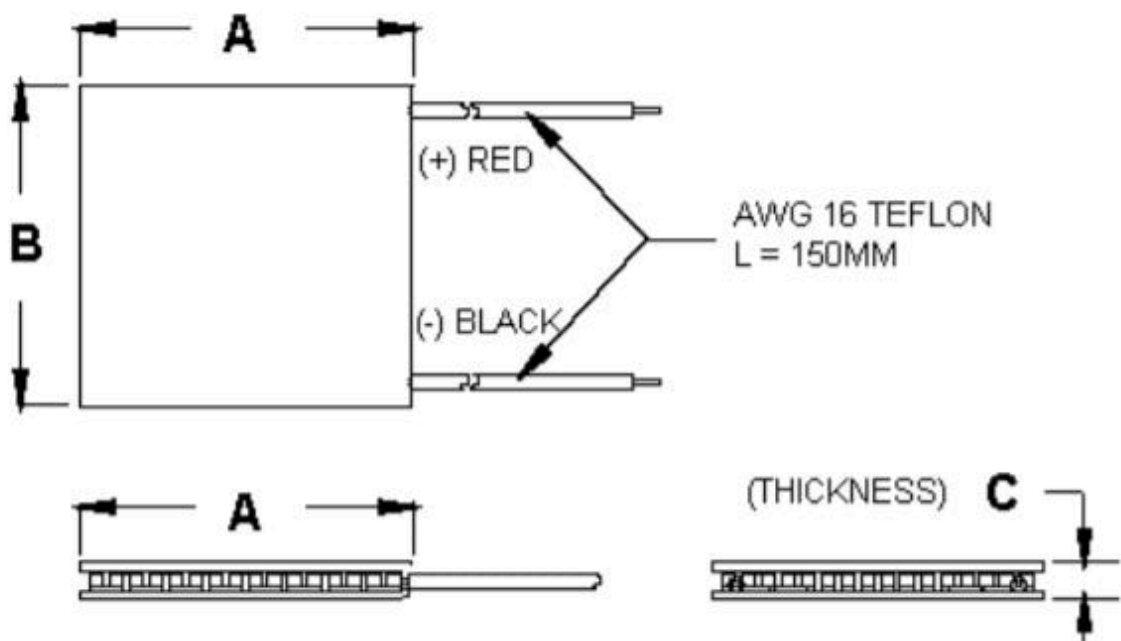


如何在 FIoTHERM XT 中建構 TEC 模型

此說明以 HB Corporation 的 TEC1-12706 最為範例，原始文件下載連結如下：
https://www.allelectronics.com/mas_assets/theme/allelectronics/spec/PJT-13.pdf

1. TEC 尺寸說明



Ceramic Material: Alumina (Al₂O₃)
Solder Construction: 138°C, Bismuth Tin (BiSn)

Size table:

A	B	C			
40	40	3.8			

2. TEC 特性規格說明

Performance Specifications

Hot Side Temperature (°C)	25°C	50°C
Qmax (Watts)	50	57
Delta Tmax (°C)	66	75
I _{max} (Amps)	6.4	6.4
V _{max} (Volts)	14.4	16.4
Module Resistance (Ohms)	1.98	2.30



3. FIoTHERM XT TEC SmartParts 輸入介面

Thermo Electric Cooler

X

40.000 mm

Y

40.000 mm

Z

3.8000 mm

☐ Show Component Orientation

Parameters

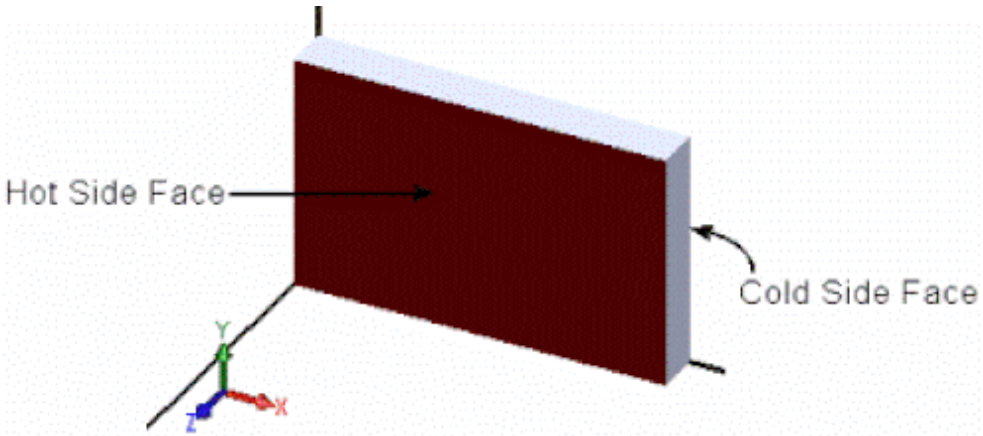
TEC Operational Current 6.4000 Amps

Maximum Pumped Heat >>

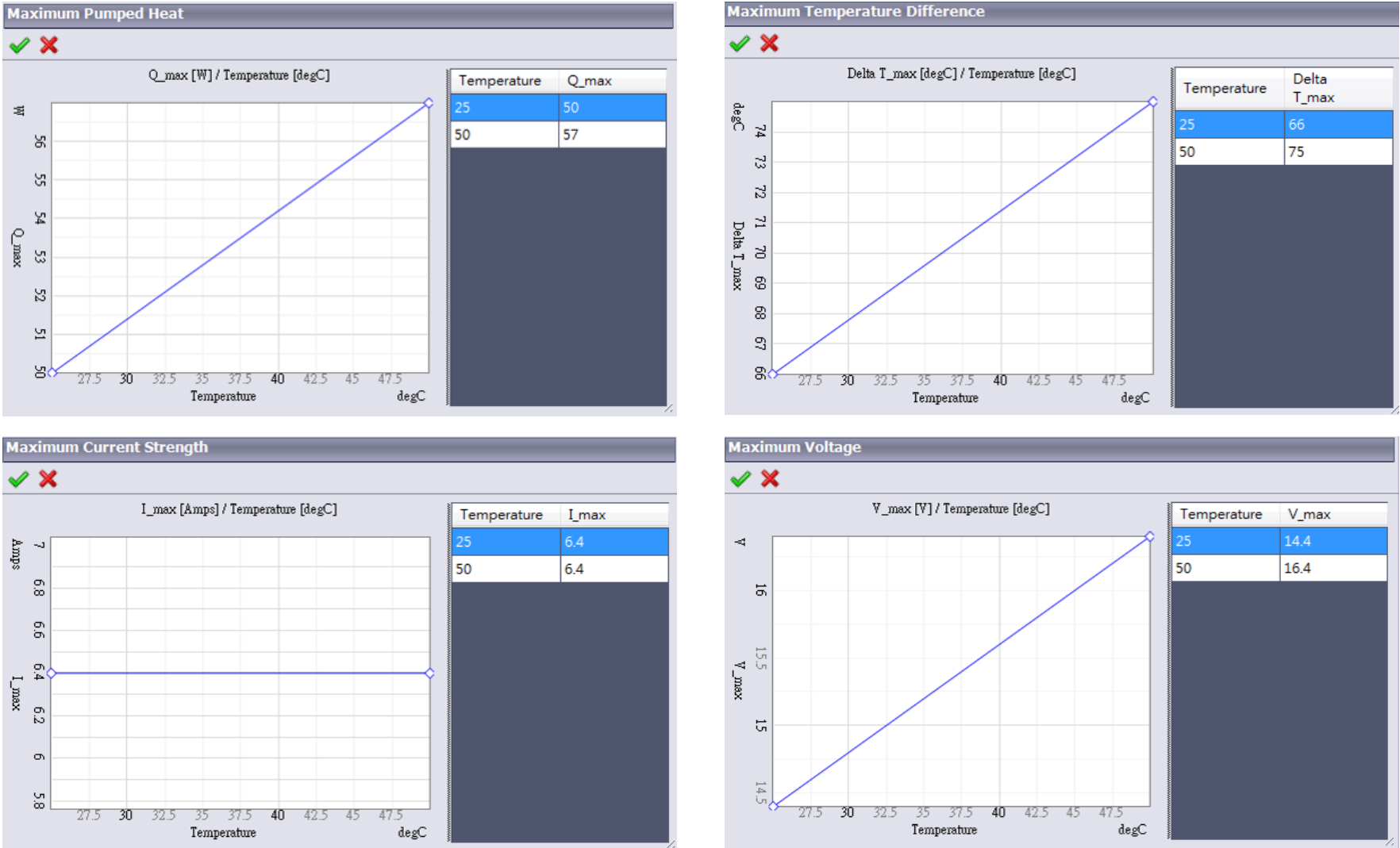
Maximum Temperature Difference >>

Maximum Current Strength >>

Maximum Voltage >>



4. 各參數輸入畫面，如下圖：



若您需要進一步的產品資料，請與本公司業務部門聯繫 02-87724131 陳小姐或 E-mail 至客服信箱 CSD@efd.com.tw 索取，謝謝！