

# FTA 951

Thermoelectric Module Standard Assembly

FerroTec



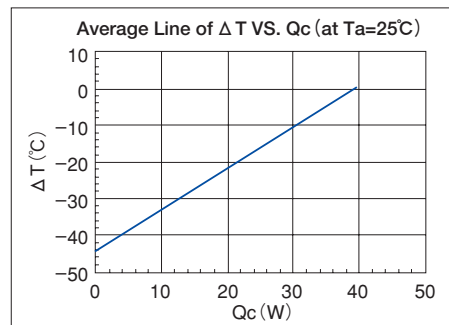
### Features

1. Includes a unique airtight, sealing structure which minimizes moisture permeation.
2. Cooling performance is optimized through use of a high efficiency heat sink.
3. The assembly design isolates the thermoelectric module (TEM) from shock and vibrations, increasing reliability.
4. The assembly includes a high reliability DC fan to ease integration with existing equipment.
5. With several unique features in this assembly design, a patent is pending.

### Examples of Typical Applications

- Compact Refrigerators
- Cooled/Heated Compact Cases
- Testing Stands
- Dehumidifiers
- Scientific Instrumentation
- Others

### Performance



$\Delta T = T_c - T_a$  (°C)  
 $T_a$  = Ambient temperature  
 $T_c$  = The temperature of the Thermoelectric Module Standard Assembly surface

### Specification

Model Number	V	I	I <sub>max</sub>	Q <sub>cmax</sub>	Dimension (mm)	Dimension of Cooling Plate (mm)
	(V)	(A)	(A)	(W)	W×L×H	W×L
FTA951	12 (DC)	5.8	7.0	39	122×100×102	80×80

V = Rated Voltage (V)

I = Rated Current (A)

I<sub>max</sub> = Maximum Current (A)

Q<sub>c</sub> = Heat Pumping capacity (W)

Ambient Temp.: Ta=25°C, Cooling Block Temp: Tc=25°C

Ambient Temp.: Ta=25°C, Temp. Differential (Ta=Th=Tc) : delta T=0°C

Ambient Temp.: Ta=25°C, Cooling Block Temp: Tc=25°C

- The figures seen in the above performance table chart reflect average values.
- Testing was performed with the cooling plate surrounding by insulation.
- The dimensions do not include the side terminal.
- The standard configuration includes an optional heat insulation package.
- Please note that the product specification may change with out any formal notice.

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