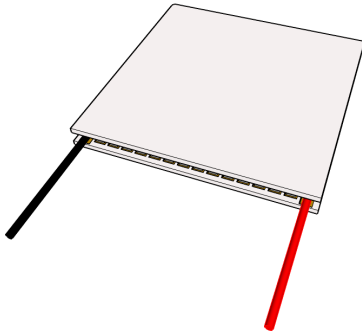


TEC Specification Sheet

| Part # | I _{max} (Amps) | Q _{max} (Watts) | V _{max} (Volts) | DT _{max} (°C) | T _{max} (°C) |
|------------------------|-------------------------|--------------------------|--------------------------|------------------------|-----------------------|
| 12711-5P31-15CQ | 15.0 | 141.3 | 15.2 | 63°C | 125°C |



Custom Options:

Call for custom wire types and other custom options.

Notes:

Typical power input is 40% to 80% of I_{max}

Maximum Waste Heat (exiting the hot side) at 100% input power, I=I_{max}, V=V_{max} is;

$$(I_{\max} * V_{\max}) + Q_{\max} = 369.3 \text{ watts}$$

Use of a properly sized heat sink or water block is required to remove waste heat.

| Top Plate | | | | Bottom Plate | | | | Metallized Height | | Lapped Height | |
|-----------|------|-------|------|--------------|------|-------|------|-------------------|----|---------------|------|
| A | | B | | C | | D | | H | | H | |
| mm | in | mm | in | mm | in | mm | in | mm | in | mm | in |
| 40.00 | 1.57 | 40.00 | 1.57 | 40.00 | 1.57 | 40.00 | 1.57 | NA | NA | 2.9 | .114 |

Tolerances (typical)
A, B, C, D = ±0.25mm (±0.01")
H = ±0.15mm (±0.006")

Weight (w/ leads)

20.0 grams

