

# 5 THINGS YOU NEED TO Win the Power Consumption Fight

Optoelectronics

## Creating a Cooler World: Differentiate your transceivers with lower power consumption

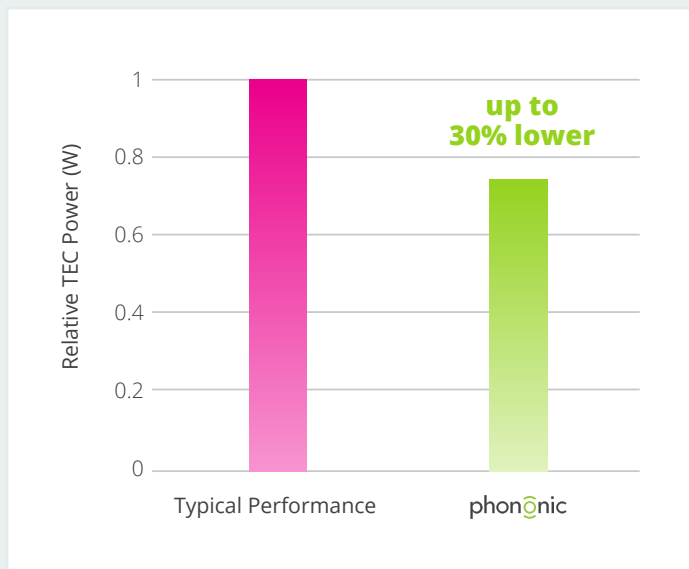
You need to increase efficiency across **every** part of the package

Today, there's a global push to be more green and reduce energy consumption. Modern datacenter customers are putting great value on lowering their power consumption to reduce operating costs throughout their facilities, making energy usage a critical part of the purchase decision.

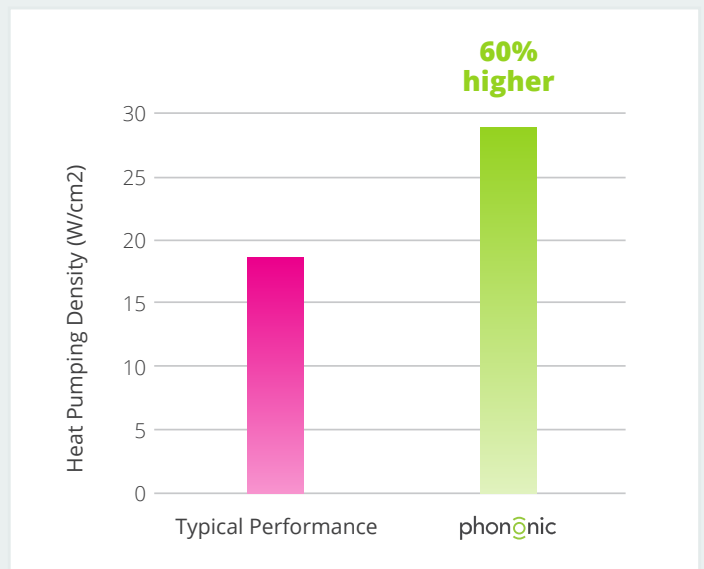
At certain operating points, TECs can be one of the largest power consuming components in the TOSA. As your customers' power consumption budgets tighten, you need to look at ways to increase efficiency across every part of your package, starting with your TEC.

**But, we all know that not much has changed in thermoelectric cooling in the last 20 years. Or...has it?**

**1** Up to **30% lower** power consumption - deliver within tighter power budgets



**2** **60% higher** heat pumping density - better performance in a small footprint



**3** Different by design:



Assembled in **US-based, ISO-certified** production facility



**Process control and metrology** unrivaled in the industry



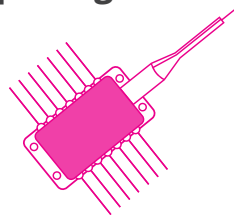
Fully automated to **quickly scale to production** needs



Designed to excel in the **most confined laser package** layouts

**4** Perfect for any package:

- TO can
- Box TOSA
- Pump laser



**5** Proven results:

- **0%** return rate
- **2M+** delivered in 12 months to Tier 1 optical component manufacturers



## A Phononic TEC is different.

More than ever before, transceiver companies need to innovate fast - without increasing cost - to differentiate from the competition. Discover how a Phononic TEC improves efficiency and performance without driving cost.

Get a reliable, inside-the-package edge over your competitors.

[Contact us](#) today for an expert assessment of your requirements.

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