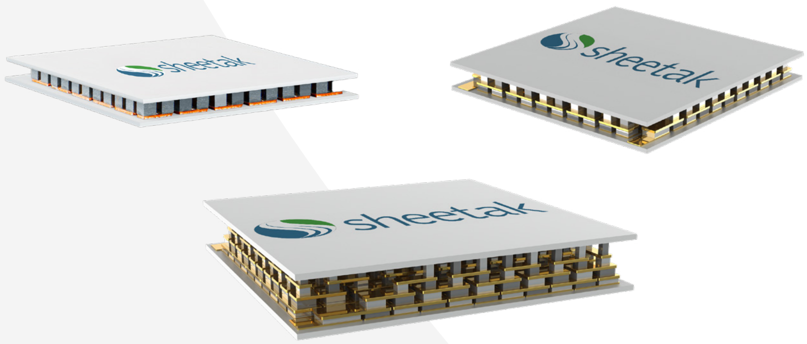

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Advanced Thermoelectrics

CENTUM® C3

Best-in-class Thermoelectric coolers

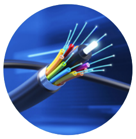
CENTUM® C3 delivers **industry-leading temperature difference** and **cooling density** with the thickness of a single-stage chip, leveraging patented multi-stage architecture and compact form factors

1.2x | **Temperature Difference**

2x | **Cooling Density**

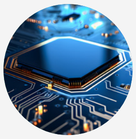
Deep cooling across multiple applications

Optoelectronics



Optical Transceivers
Pump Lasers

Imaging Sensors



IR/CCD/CMOS
LiDAR
AR/VR

Refrigeration

Consumer
Medical
Industrial

Others

Instrumentation
Aerospace/Defense

Contact us for all your TEC needs

Custom design

Rapid prototyping

Made in USA

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CENTUM® C3

Standard available models

	Dimensions (mm)	T_h (°C)	ΔT_{max} (°C)	Q_{max} (Watts)	I_{max} (Amps)	V_{max} (DC Volts)	R_{AC} (Ω)
CENTUM C3-22-22-7	10x12.8x2.8	27	97	3.0	7.1	1.9	0.23
		50	110	3.7	7.0	2.1	
CENTUM C3-38-38-7	13x16x2.8	27	97	5.3	7.1	3.4	0.41
		50	110	6.6	7.0	3.8	
CENTUM C3-71-71-7	22x22x2.8	27	97	10	7.1	6.25	0.78
		50	110	13	7.0	6.95	
CENTUM C3-127-127-7	29x29x3.3	27	97	18	7.1	11.4	1.5
		50	110	22	7.0	12.7	
CENTUM C3-238-238-7	40x40x3.7	27	97	34	7.1	22	2.7
		50	110	42	7.0	24	

Customization options

Substrate	**Ceramic (ALN)**	**Ceramic (ALO)**	**Metal**
Finishing	**Sealing/Lapping**	**Substrate Metalization**	**Lead Attachment**
Design	**Form Factors**	**System Integration**	**System Optimization**

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