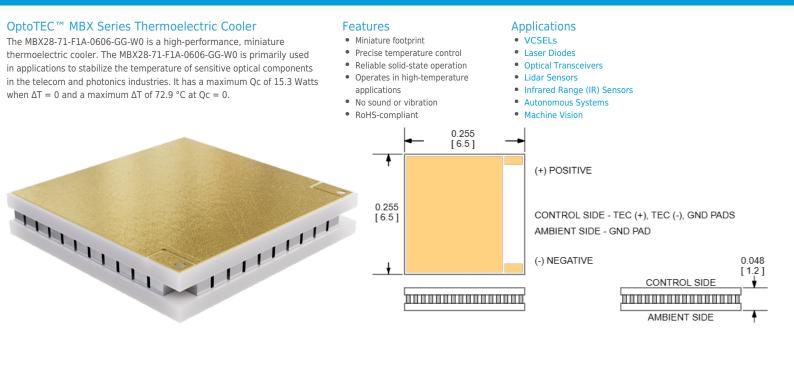
## Laird SYSTEMS

## OptoTEC<sup>™</sup> MBX Series MBX28-71-F1A-0606-GG-W0 MFG Part Number: 387012193

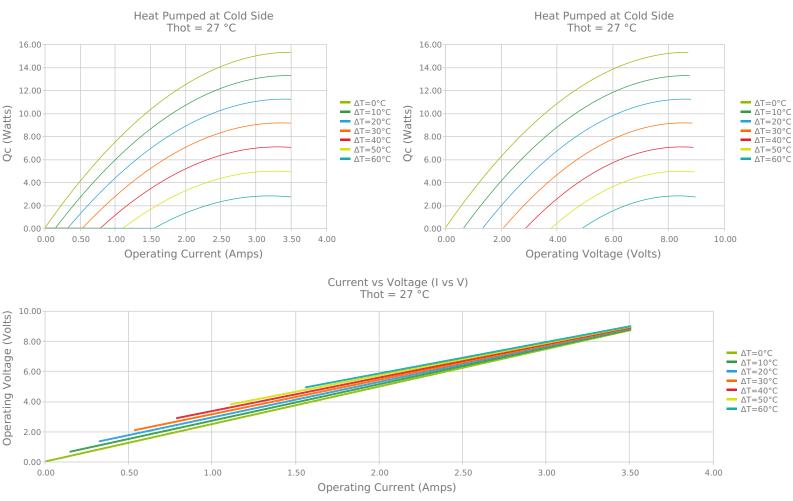


CERAMIC MATERIAL: Al2O3 SOLDER CONSTRUCTION: 232°C, SbSn

INCHES [ MM ]

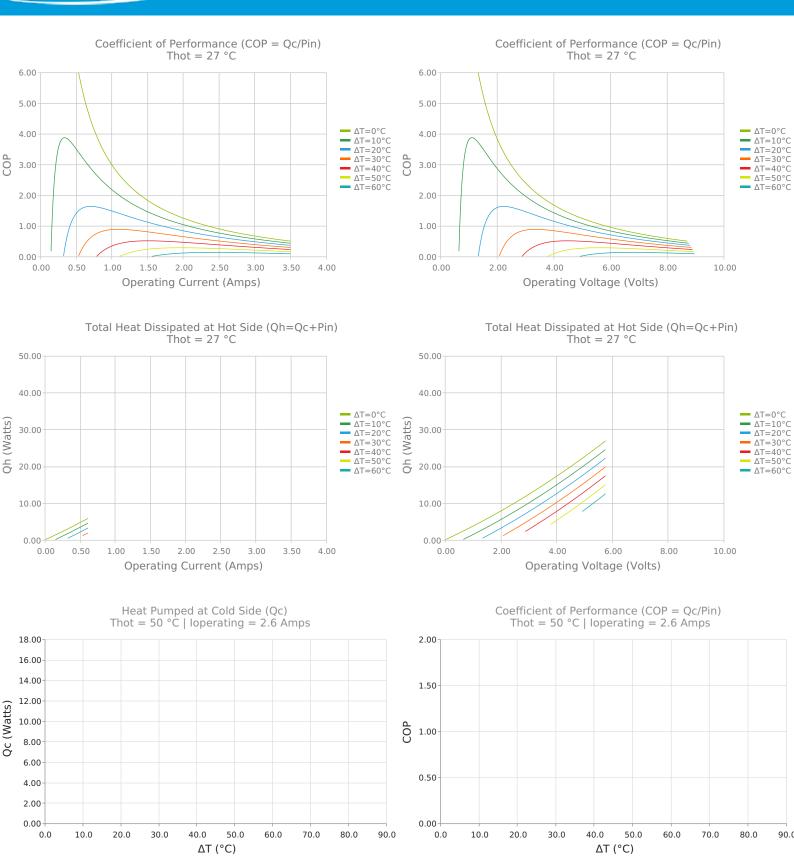
#### **ELECTRICAL AND THERMAL PERFORMANCE**

For maximum performance, be sure to orient the CONTROL side of the TEC against the application to be managed and the AMBIENT side against the heat sink or other heat rejection method. The CONTROL side is always opposite the side with lead attachments. Lead attachment is a passive heat loss and less impactful if located on the side that attaches to the heat exchanger.



# Laird Systems

## OptoTEC<sup>™</sup> MBX Series MBX28-71-F1A-0606-GG-W0 MFG Part Number: 387012193



### **SPECIFICATIONS**

Hot Side Temperature	27.0 °C	<b>50.0</b> °C	80.0 °C
Qcmax (ΔT = 0)	15.3 Watts	16.5 Watts	17.6 Watts
ΔTmax (Qc = 0)	72.9°C	81.8°C	92.1°C
lmax (I @ ΔTmax)	3.1 Amps	3.0 Amps	3.0 Amps
Vmax (V @ ΔTmax)	8.2 Volts	9.2 Volts	10.3 Volts
Module Resistance	2.49 Ohms	2.80 Ohms	3.20 Ohms
Max Operating Temperature	120 °C		
Weight	0.5 gram(s)		

#### **FINISHING OPTIONS**

Suffix	Thickness	Flatness / Parallelism	Hot Face	Cold Face	Lead Length
GG	1.230 ±0.100 mm 0.048 ± 0.0039 in	N/A / N/A	Au Plated	Au Plated	0.0 mm 0.00 in

### **SEALING OPTIONS**

Suffix	Sealant	Color	Temp Range	Description
	None			No sealing specified

#### NOTES

- 1. Max operating temperature: 120°C
- 2. Do not exceed Imax or Vmax when operating module
- 3. Reference assembly guidelines for recommended installation
- 4. Solder tinning also available on metallized ceramics

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