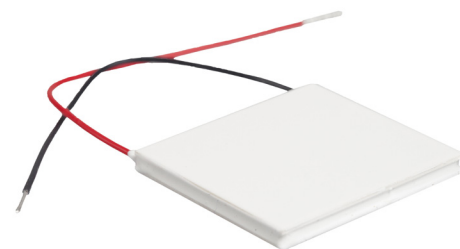
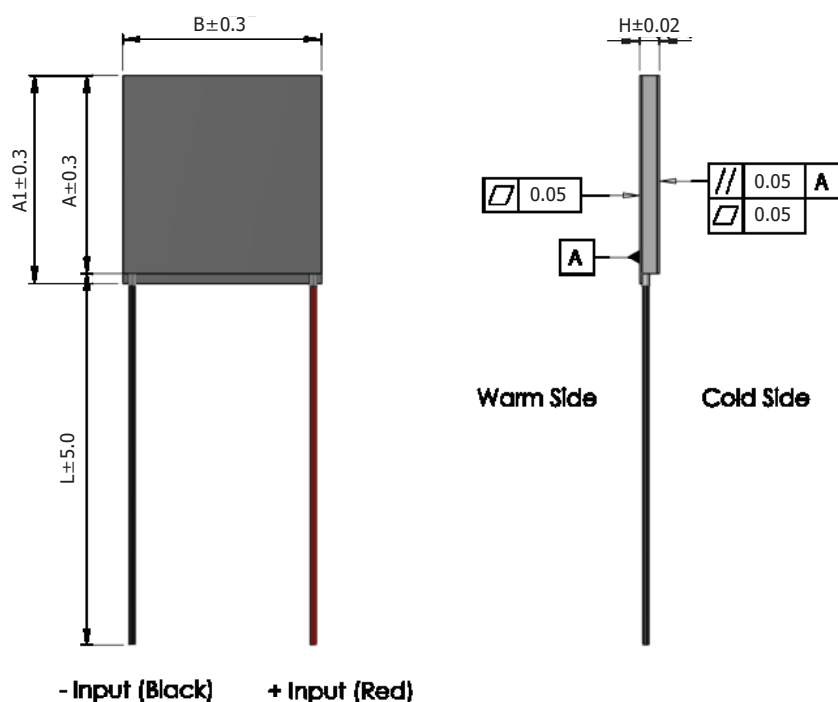


APC-I27-10-15-S-F4

CYCLING THERMOELECTRIC MODULE



SILICONE SEALED THERMAL CYCLING MODULE

30x30x3.85mm, 3Amp

Features

- ROHS & REACH Compliant
- Precise temperature control
- Solid-state reliability

Applications

Automotive, Industrial,
Telecommunications, Medical, Aerospace

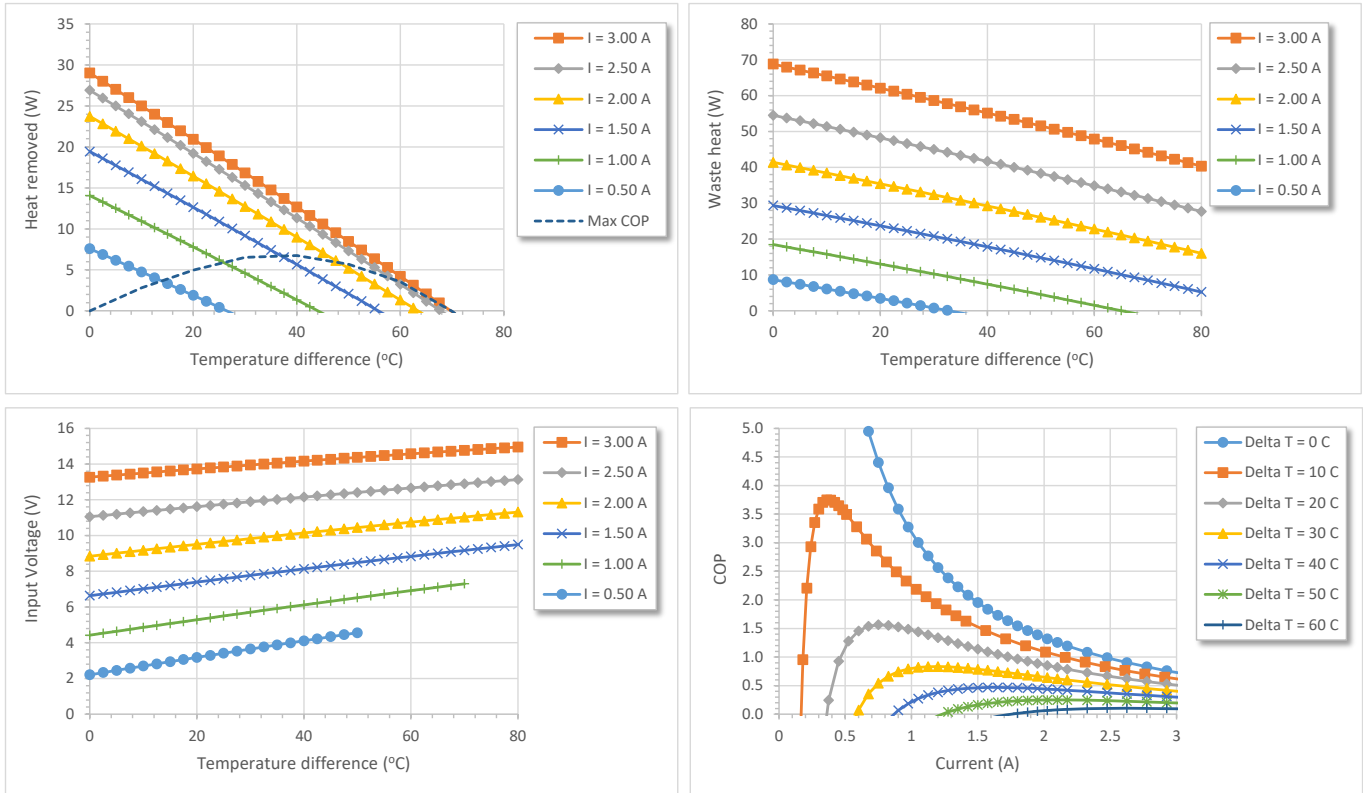
CHARACTERISTICS

Th	[°C]	27	50
DeltaT	[°C]	70	77
Vmax	[V]	15.7	15.7
I _{max}	[A]	3.0	3.0
Q _{cmax}	[W]	29.8	32.5
AC Resistance	[Ω]	4.0 ± 10%	
Solder Melting Point	[°C]	235	
Compression Strength	[MPa]	I	
A	[mm]	30	
A1	[mm]	30	
B	[mm]	30	
H	[mm]	3.85	
L	[mm]	100	
Flatness/Parallelism	[mm]	0.05 / 0.05	

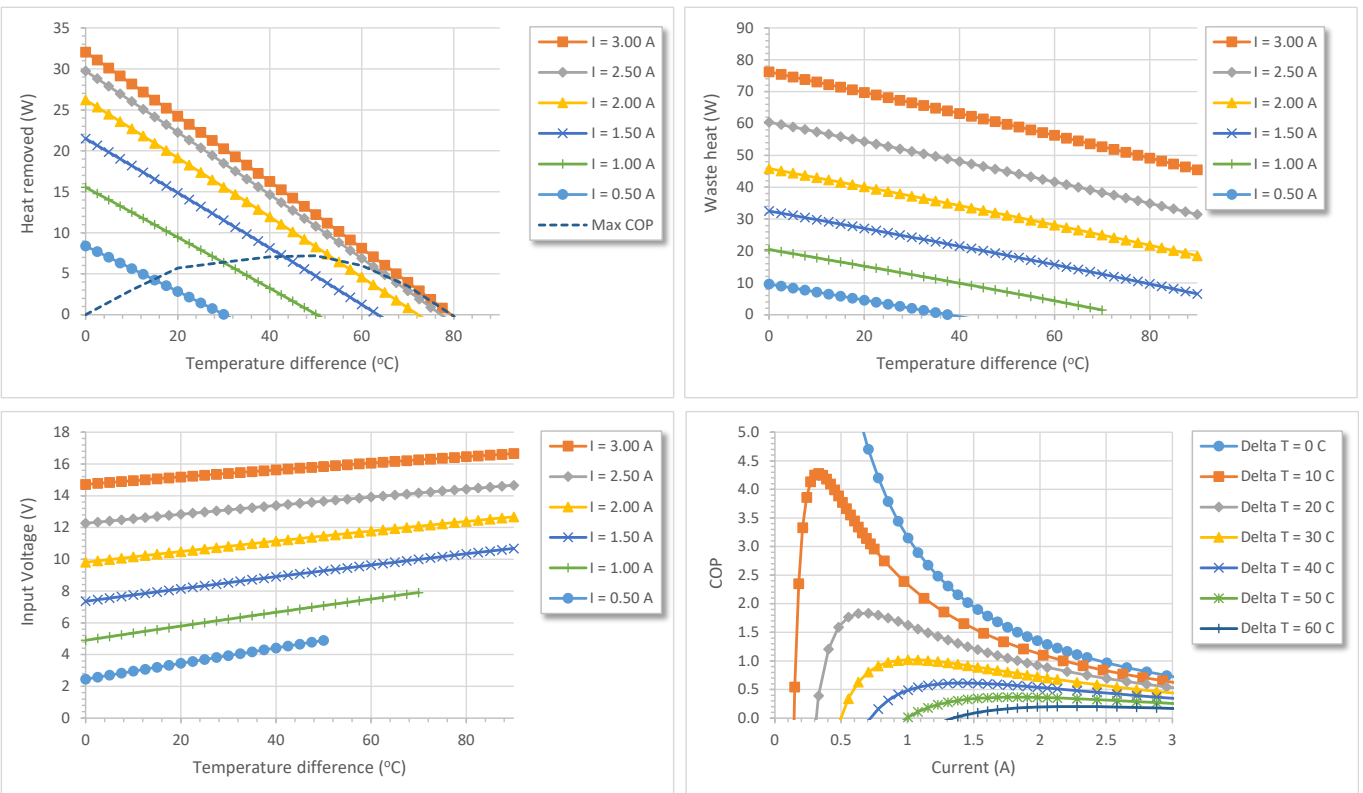
- (At hot side temperature Th = 25°C / 298K, under dry N₂)
- Pc max = Cooling power at ΔT = 0 and I = I_{max}
- ΔT_{max} = Temperature difference at I = I_{max} and Pc = 0
- Max hot side temperature Th = 90°C for best long term performance
- Wires: UL rated wire to 105°C / AWG 22

APC-I27-I0-I5-S-F4

Hot side temperature 27 degrees C



Hot side temperature 50 degrees C



APC-I27-I0-I5-S-F4

Hot side temperature 75 degrees C

