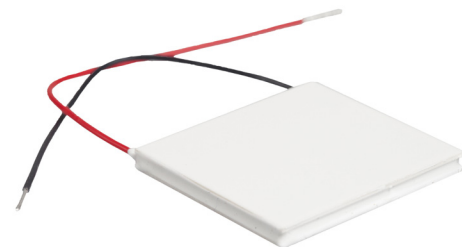
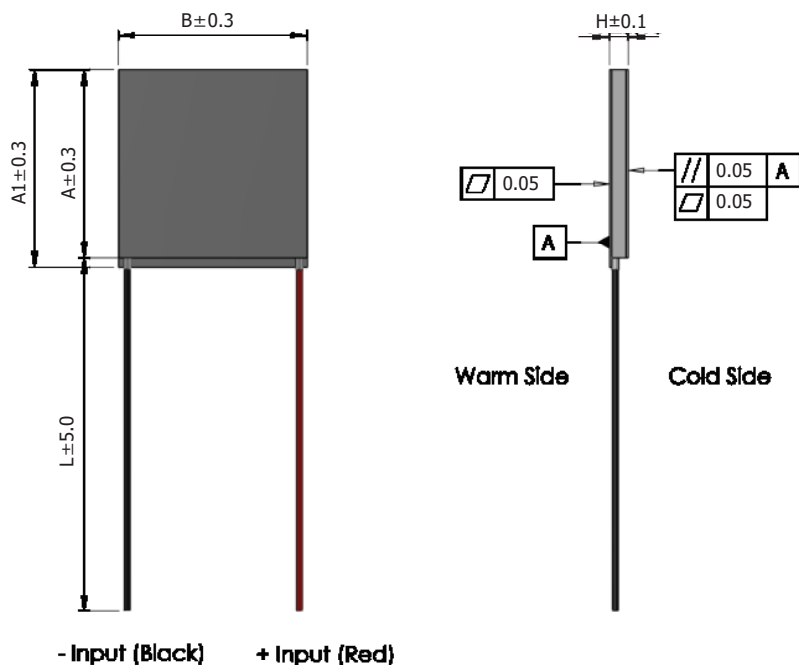


APC-I99-I3-23-S-F4

CYCLING THERMOELECTRIC MODULE



SILICONE SEALED THERMAL CYCLING MODULE

40x40x4.7mm, 3.5Amp

Features

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

Applications

Automotive, Industrial,
Telecommunications, Medical, Aerospace

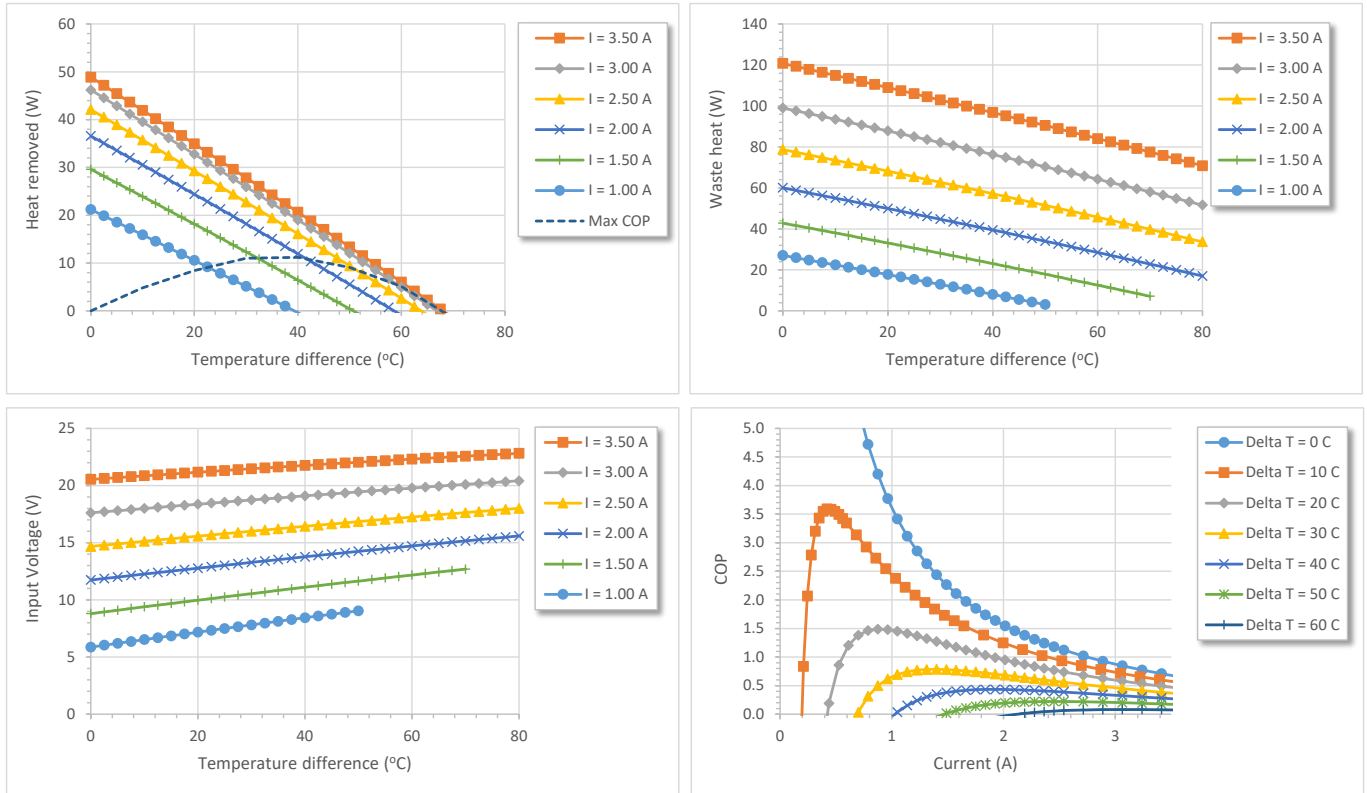
CHARACTERISTICS

Th	[°C]	27	50
DeltaT	[°C]	68	75
Vmax	[V]	24.1	24.1
I _{max}	[A]	3.5	3.5
Q _{cmax}	[W]	49	53
AC Resistance	[Ω]	5.17 ± 10%	
Solder Melting Point	[°C]	235	
Compression Strength	[MPa]	1	
A	[mm]	40	
A1	[mm]	40	
B	[mm]	40	
H	[mm]	4.7	
L	[mm]	100	
Flatness/Parallelism	[mm]	0.05 / 0.05	

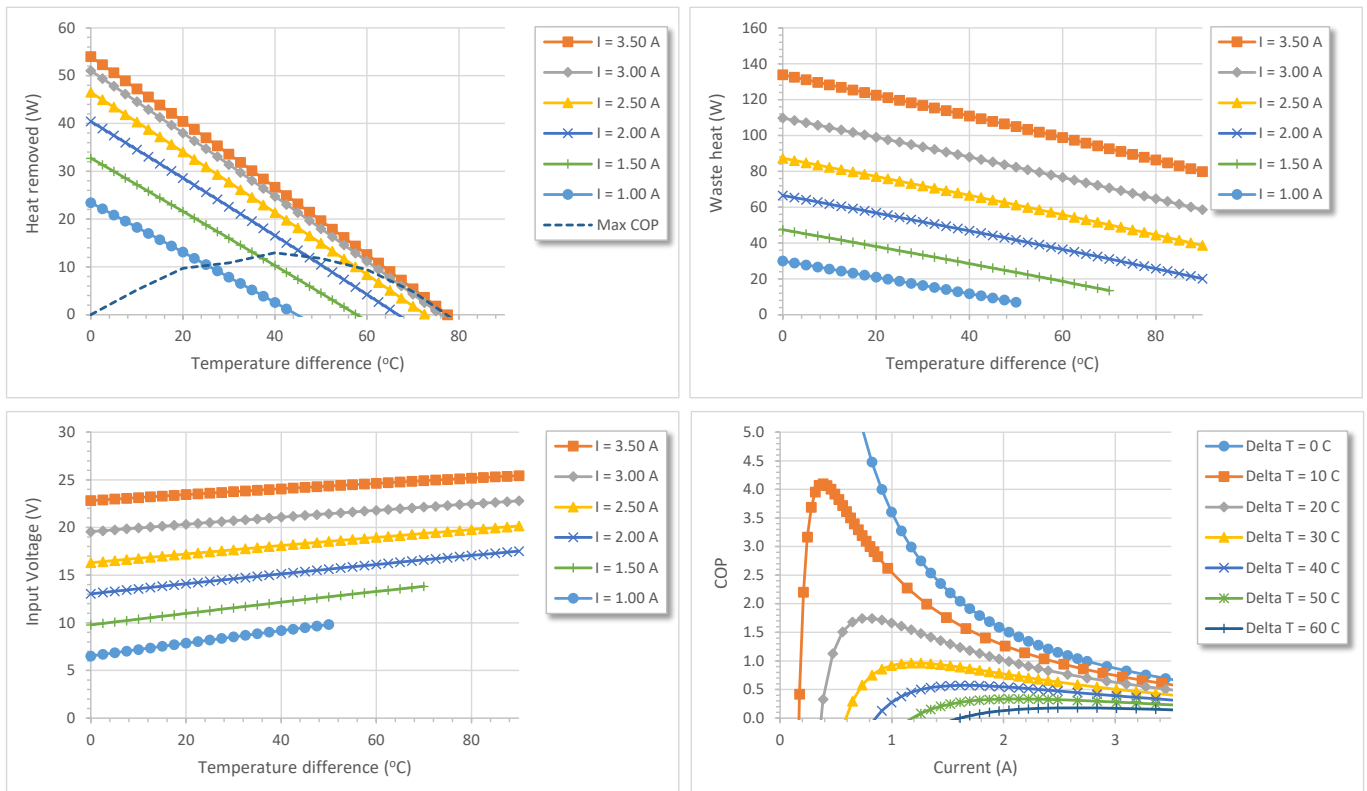
- (At hot side temperature Th = 25°C / 298K, under dry N₂)
- Pc max = Cooling power at ΔT = 0 and I = I_{max}
- ΔT_{max} = Temperature difference at I = I_{max} and Pc = 0
- Max hot side temperature Th = 90°C for best long term performance
- Wires: UL rated wire to 105°C / AWG 20

APC-I99-I3-23-S-F4

Hot side temperature 27 degrees C



Hot side temperature 50 degrees C



APC-I 99-I 3-23-S-F4

Hot side temperature 75 degrees C

