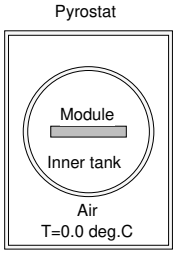
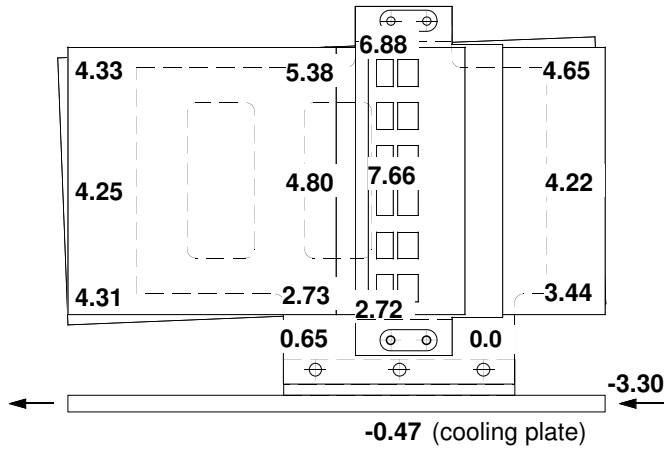
PG700 baseboard	Water flow=300 cc/min.
1 pipe cooling	Coolant temp.=0 deg.C
Ambient temp.=0 deg.C	Si=1 W
Ambient =Air	IC=3 W

Temprature profile of thermal modules in 1atm. and a vacuum

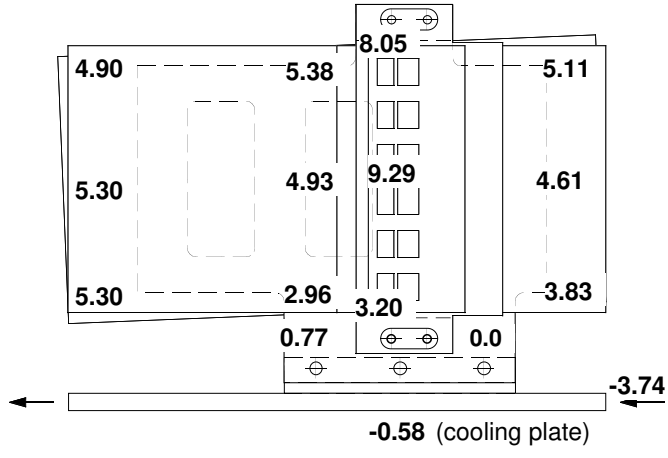


The test setup



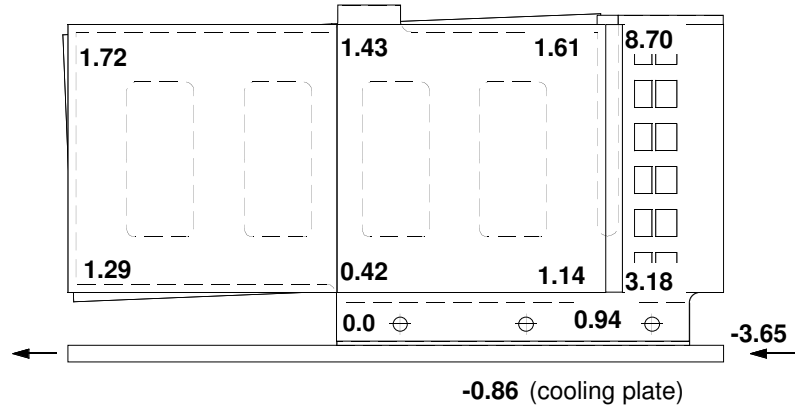
Centre-tap module
Pressure=1 atm.

Si Tmax=5.38 deg.C
Si DeltaT=2.65
Hybrid Tmax=7.66
Hybrid DeltaT=4.94
Coolant T=-3.3



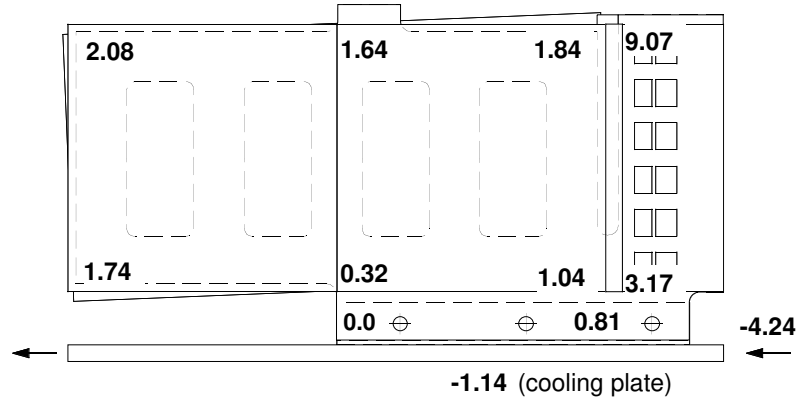
Centre-tap module
Pressure=Vacuum(8 Pa.)

Si Tmax=5.88 deg.C
Si DeltaT=2.92
Hybrid Tmax=9.29
Hybrid DeltaT=6.07
Coolant T=-3.69



End-tap module
Pressure=1 atm.

Si Tmax=1.72 deg.C
Si DeltaT=1.3
Hybrid Tmax=8.7
Hybrid DeltaT=5.52
Coolant T=-3.65



End-tap module
Pressure=Vacuum(8 Pa.)

Si Tmax=2.08 deg.C
Si DeltaT=1.75
Hybrid Tmax=9.07
Hybrid DeltaT=5.9
Coolant T=-4.24

December 14,1996
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