

Part# CMO-32-62S

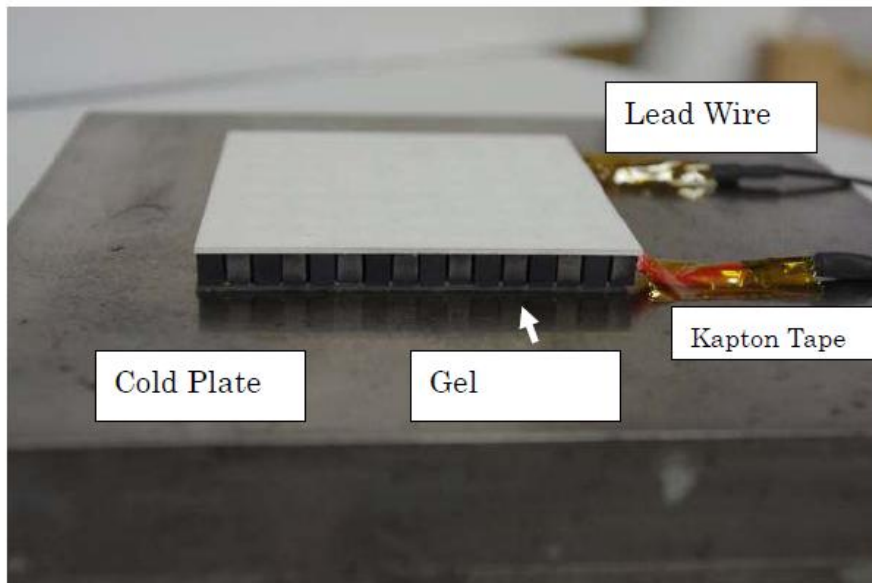
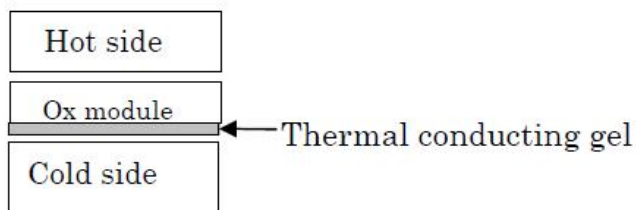
Installation Instructions:

Kapton tape should be used to hold down leads to the cold side surface. The leads are Silver (Ag), upper limit temperature is 900°C with 10 cm covered by glass sleeve, but maximum module hot side should not exceed 850°C. The extended wires are Teflon insulated rated for 250°C so they need to be protected from the hot side surface as well. The Gel pad goes on the cold side between cold plate and the module. Gel pads thermal conductivity is 8 W/(mk) and also acts as an electrical insulator.

Torque requirements: 5 N.m is approximately 45 in/lbs (inch pounds) or 3 ft/lb (foot pounds).

VERY LITTLE TORQUE! 4 x SUS304 M6 screws.

Thermal Conductivity: 2~4 W/mK



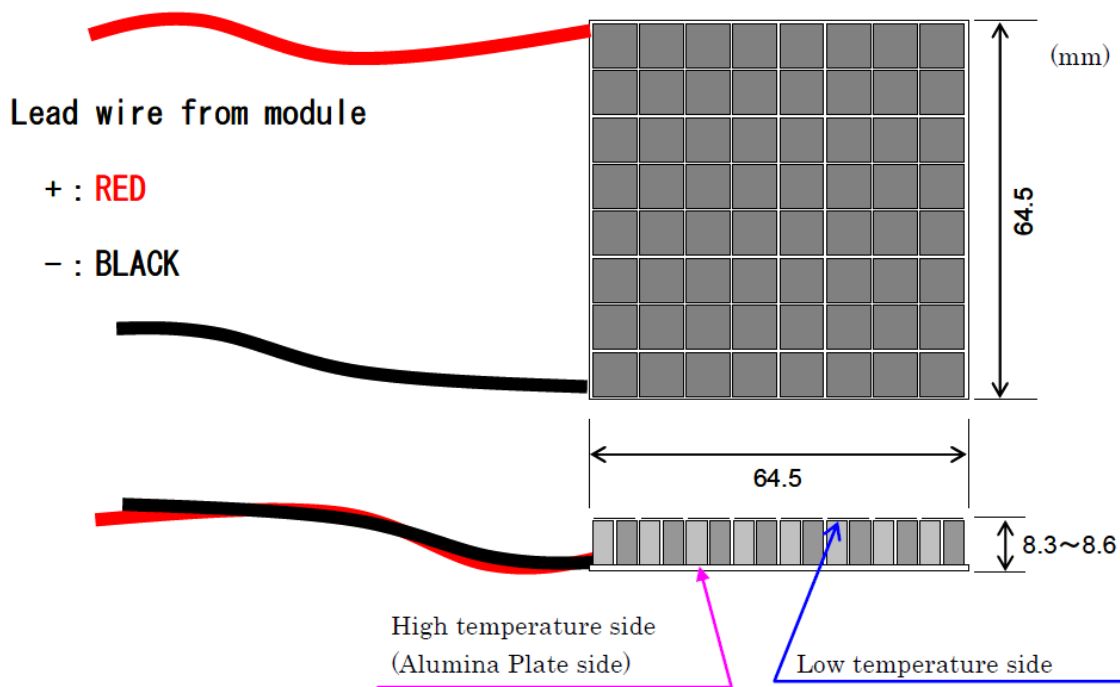


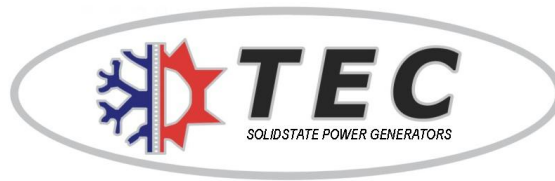
Configuration and Usage: The modules consist of Oxide Thermoelectric Material with an attached alumina plate for excellent thermal contact to the hot side surface. The Gel pad is used on the cold side (shown below). The cold side is designed into quadrants to help eliminate the thermal stress put on the module once in operation.

The upper Limit of the hot side is 850°C, but regular temperature is about 750°C to 800°C.

Hazards:

- Non- condensing
- Do not left module using lead wires.
- Lead wire **MUST BE SEPARATED FROM HOT SIDE.**





2014 /New

Hot side T	300	400	500	600	700	800
Cold side T		50	50	50	50	50
ΔT		350	450	550	650	750
Ω		2.9	3.08	3.16	3.26	3.38
OV		5.1	6.8	8.32	10.26	12.8
V		2.55	3.4	4.16	5.13	6.4
I		0.88	1.10	1.32	1.57	1.92
W		2.24	3.75	5.49	8.07	12.30

[Suggested Materials to use for collecting heat on hot side](#)

High temperature heat collection fin

Hot side temperature	Material
~450 C	Aluminum ,
~700 C	Iron (HiSiFCD)
~800 C	Iron(SCH24 +Nb)
~1000 C	Stainless steel (S30400 , S43000) Hastelloy (for HCL,SOx in gas)

Temperature depends on customer site

Material should decide with customer

Limited Warranty: Tecteg Mfr. warrants that its product will be free from defects in material and workmanship for 1 year from ship date. We will not be responsible for lead wire damage or improper installation.