

RAS-COOL TEMP TM

Radio Astronomy Supplies (Patent Pending)

Radio Astronomy Supplies has developed a low cost LNA cooling system with an assortment of advanced type cooling methods. (Patent Pending).

COOLING PRINCIPLES

• THERMOELECTRIC COOLING

By the use of unique type of TE modules, cooling of the enclosure is a snap. The +12 Vdc @ 6 amp module is capable of cooling down to the 55 – 58F wide open or adjustable with our Temperature Control module (Optional).

• CRYOGENIC ATMOSPHERE

In addition to our Standard enclosure, we can offer the same enclosure with a Fillable Cryogenic capability.

So, they you have it! The best of both worlds!
A DRY, minimal to very low condensation atmosphere with *cooling!*

Note: The cooling temperatures may differ if not used with the recommended instructions or methods.

ENCLOSURE

The RAS-COOL-TEMP enclosure is constructed of aluminum, heliarc welded for strength and durability.

The connectors are N (Standard) and, feedthru capacitor type (power) and, are mounted to the front plate which, attaches to the main enclosure via securing hardware.

CONNECTOR OPTION

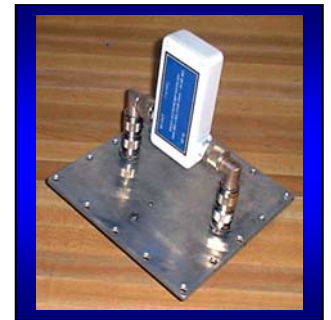
The RAS-LNA/TEMP is equipped with N connectors. SMA connectors and cable assemblies / semi-rigid are optional.

Model	Price
RAS- COOL-TEMP-TE	\$365.00
RAS- COOL-TEMP-CRYO	\$425.00

Enquire for shipping and insurance charges.



Front View



LNA Connection



Rear View with TE Device



External Temperature vs. Cold Plate Temperature

RAS-COOL-TEMP-TE

COOLING TEST

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55F									
60F									
65F									
70F									
75F									
80F									
85F									
	85F	80F	75F	70F	65F	60F	55F	50F	

AMBIENT TEMPERATURE (F)

DATE: June 11, 05

START TIME: 16:45

STOP TIME: 17:10

TIME TO COOL POINT: 25 Min.

START TEMP (AMBIENT) READING: 85.6F

START TEMP (COLDPLATE) READING: 85F

FINAL TEMP READING: 56.5F

MODEL NO: TE

S/N: 1