

THE ANALYZE OF WORK OF THROTTLE COOLING SYSTEM'S MICROHEAT EXCHANGER, WICH USES NITROGEN WITH NEARLY CRITICAL PARAMETERS

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This paper deals with the work of throttle cooling system with standard tank and the work of throttle cooling system with cryogenic tank. It is done comparison of geometric and hydraulic characteristics micro heat exchangers both systems. It is shown a prospect of application of throttle cooling system with cryogenic tank for cooling of IR-receivers used in aerospace navigation and exploration systems.

Bulb with the kriogennoy priming, onmuko-electronic system, mikrokriogennaya system, teploobmennik of the throttle system of cooling

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