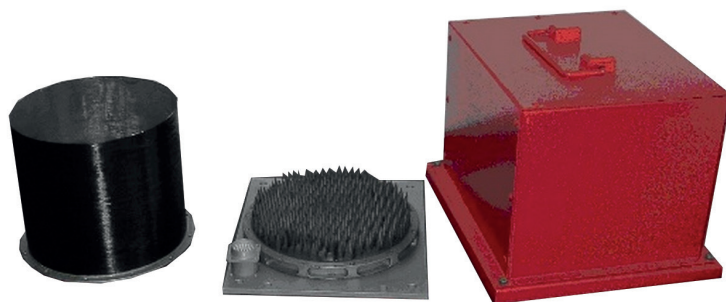


Onboard passive wide-aperture noise generators (BSHI)



DESIGNED FOR

on-board calibration of satellite MW radiometers for remote sensing of the

Earth (ERS) - measuring instruments for land, atmosphere, and ocean parameters.

The material of the radiating element ("black body") is made of conical single crystal silicon rods. The radiating element includes seven small-sized vibration-resistant platinum resistance thermometers.

Frequency range, GHz	from 20 to 220
Reproducible noise temperature levels, K	from 220 to 320
Error in measuring the thermodynamic temperature of a silicon radiating element, K	0,1
Error of the reproduction of noise temperature unit, K	1,5