

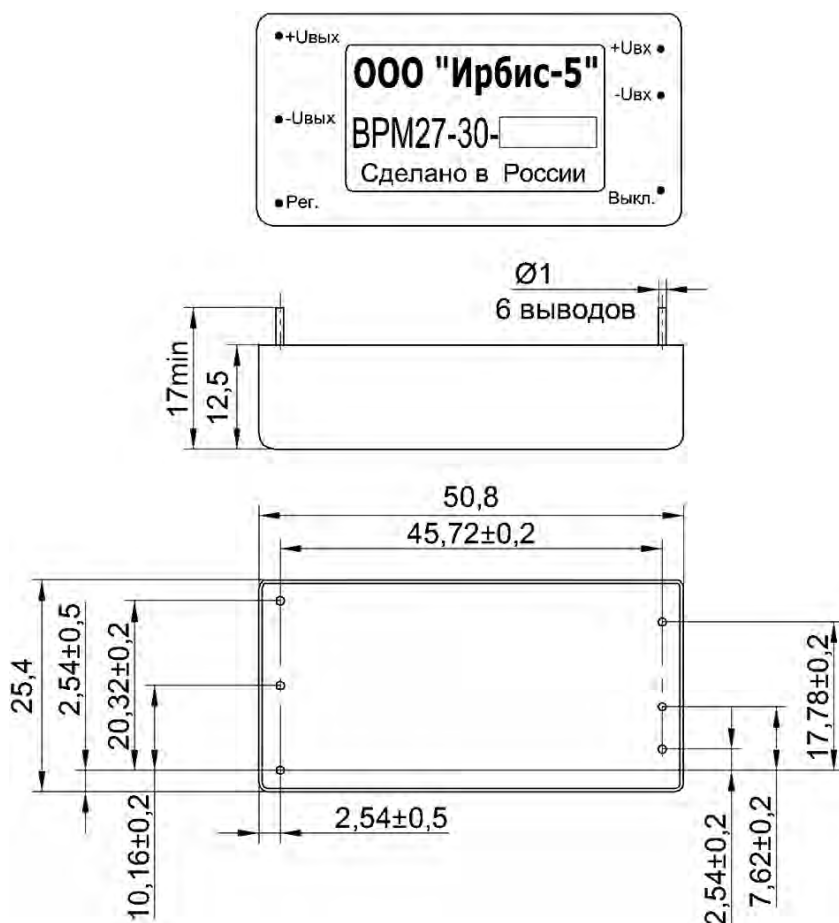
30 W

DC/DC converters

Series VRM27-30

Functional purpose

Single-channel stabilizing voltage regulators of the VRM27-30 series with built-in protection are intended for use in special-purpose equipment. They are supplied in all-climate version "B" according to GOST 15150.



Name	Input voltage, V			Nominal weekend voltage, V	Maximum load current, A
	Min.	Nom.	Max.		
VRM27-30-3.3/6	18	27	36	3.3	6.0
VRM27-30-5/6				5.0	6.0
VRM27-30-9/3				9.0	3.0
VRM27-30-12/2.5				12	2.5
VRM27-30-15/2				15	2.0
VRM27-30-6/5				6.0	5.0

Technical specifications

Output voltage instability with input voltage change of $\pm 0.5\%$. Output voltage instability with load current change of 1%. Output voltage instability with ambient temperature change in the operating range of $\pm 1.5\%$. Output voltage ripple amplitude (peak-to-peak) no more than 100 mV. Insulation strength between input and output contacts: 500 V DC.

The IVEP has the following functions: output voltage regulation within $\pm 5\%$, remote shutdown, overcurrent protection, and short-circuit protection at the output. After the overload or short-circuit is removed, the IVEP automatically restores its output parameters. The short-circuit time is unlimited. The protection tripping current is $1.05I_{n.nom} - 1.6I_{n.nom}$.

Resistance to mechanical and climatic factors, special environments with characteristic values corresponds to group 4U according to GOST RV 20.39.414.1-97. Operating temperature range from -60°C to $+70^{\circ}\text{C}$ with the case temperature of the IVEP no more than $+85^{\circ}\text{C}$. Dimensions (H - W - D) 12.5 - 50.8 - 25.4 mm. Weight 40 g.