

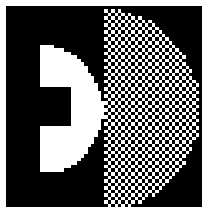
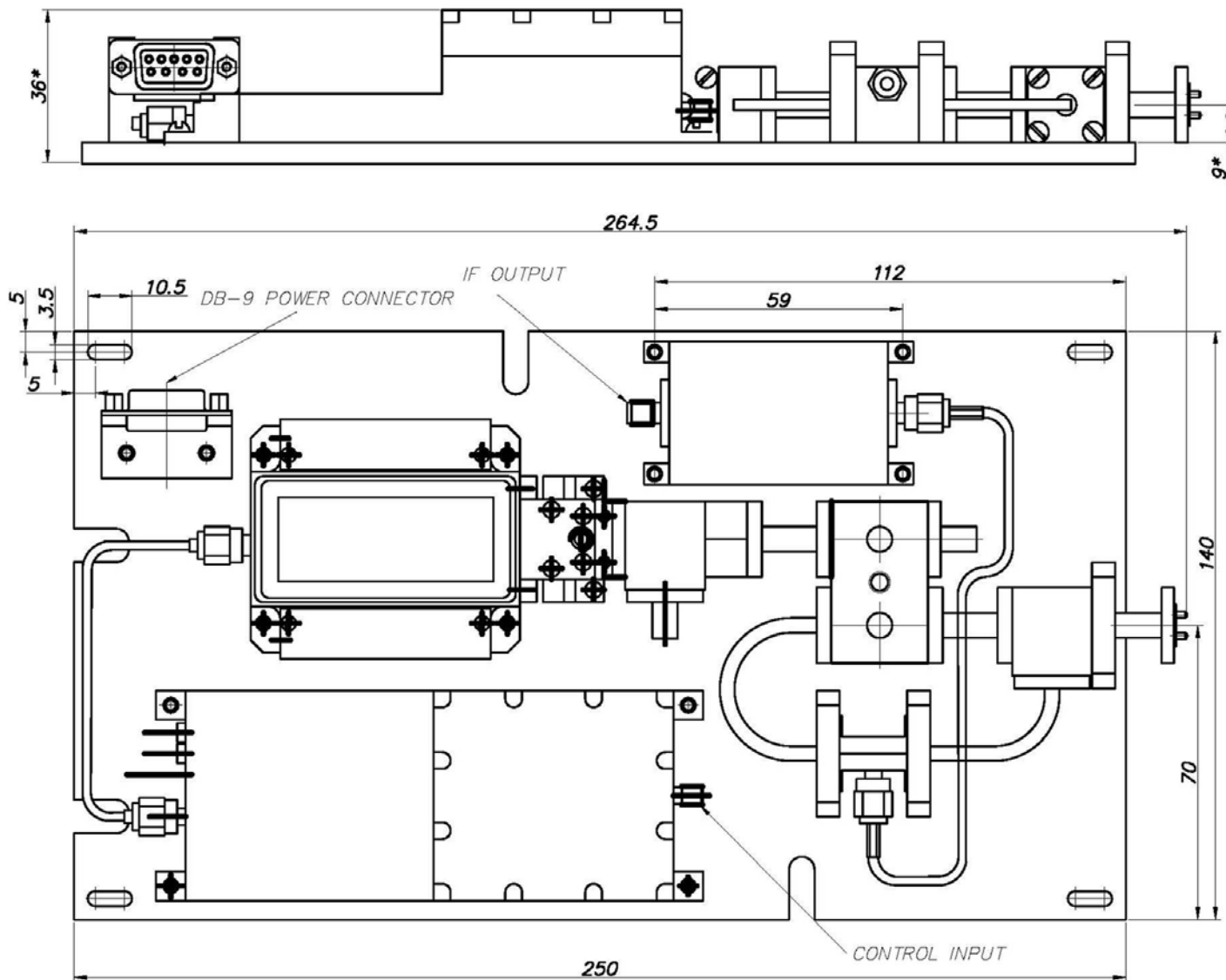
46 Robezu str. • LV-1004 Riga • Latvia
 Phone : +371-7-065100
 Fax : +371-7-065102
 Mm-wave Division in St.Petersburg, Russia
 Fax : +7-812-326-10-60, att. D. Korneev
 E-mail: ivanovph@niz.ru
 INTERNET: <http://www.elva-1.com>

TITLE **94 GHz FMCW Radar Module**
Part No. FMCW-10/94/200/10M

DATE
10.12.04

SHEET
1 OF 3

SPEC. NO.
45CR0903



ELVA-1

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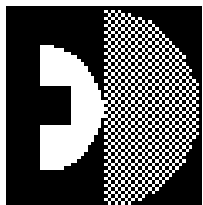
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Specifications:

Center Frequency	94 GHz
Frequency Stability	$5 \cdot 10^{-6}$ 1/°C
Sweep range	500 MHz (min)
Minimal Sweeping Time	100 uSec (max)
Linearity	0,7% (max)
Tuning sensitivity	>50 MHz/V
Output RF Power	+10 dBm (min)
Reverse Isolation	17 dB (min)
IF Frequency	4 kHz to 2 MHz
RF to IF Gain	32 dB (typ)
Waveguide	WR-10
Flange	UG-387/U-M
IF and Frequency Control Connectors	SMA (F)
DC Power	+12 VDC 500 mA -12 VDC 100 mA +27 VDC 200 mA +27 V 500 mA (heater)
Dimensions	250x140x36 mm (max)
Mass	1200 gram (max)
Storage Temperature	-40 to +85 deg.
Operating Temperature	-40 to +50 deg.



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