

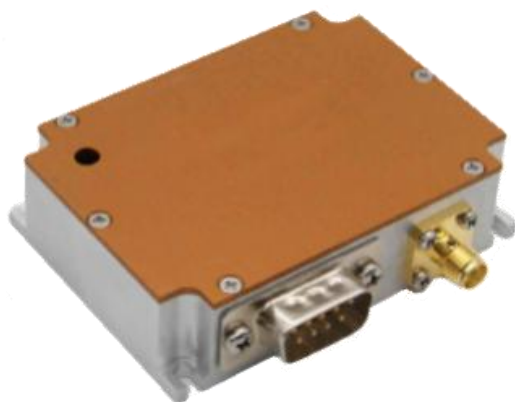
RF Driver

Overview

The RF Driver can generate radio frequency signals and can be controlled in terms of switching, frequency, power, etc., via an external modulation signal. The RF frequency can be fixed or adjustable with a range of frequencies, mainly between 20MHz and 250MHz. The RF power ranges from 1W to 150W, modulation frequency from 1Hz to 1MHz, with a 50Ω load impedance, and supports both digital and analog modulation. It is typically powered by a standard 24V supply.

Description

Goptica has a professional R&D and production team, and the products are manufactured in-house throughout the entire process. Customized drivers can be produced according to customer requirements.



Application

A0 devices, E0 devices , Lasers,Ultrafast laser, Laser machine, Interferometer, Lithography ,LiDAR,Fiber sensor etc.

Specifications

Product Code	FR (MHz)	RF Power (W)	Frequency stability (ppm/°C)	VSWR	Rise/Fall time (ns)	Trigger frequency	Trigger delay (ns)	SHG (dBc)	Impedance (Ω)	Power supply	Cooling
RD1001-041-24-100-WA	40.68	100	±40	1.2: 1	90-150	1MHz	110	-25	50	24	Water cooling
RD1002-080-24-025-CZ	80	25	±40	1.2: 1	20-50	1MHz	50	-25	50	24	Conduction-cooled

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RD1001-041-24-100-WA	40.68	100	±40	1.2: 1	90-150	1MHz	110	-25	50	24	Water cooling
RD1002-080-24-025-CZ	80	25	±40	1.2: 1	20-50	1MHz	50	-25	50	24	Conduction-cooled
RD1003-080-24-050-SA	80	50	±40	1.2: 1	20-50	1MHz	50	-25	50	24	Heat sink cooling
RD1004-068-24-025-CZ	68	25	±40	1.2: 1	20-50	1MHz	50	-25	50	24	Conduction-cooled
RD1005-110-24-025-CA	110	25	±40	1.2: 1	20-50	1MHz	50	-25	50	24	Conduction-cooled
RD1006-027-24-050-SZ	27.12	50	±40	1.3: 1	80-100	1MHz	110	-25	50	24	Heat sink cooling
RD1007-041-24-025-CZ	40.68	25	±40	1.3: 1	20-50	100kHz	50	-25	50	24	Conduction-cooled
RD1010-200-24-025-CA	200	25	±40	1.3: 1	20-50	100kHz	50	-25	50	24	Conduction-cooled
RD1012-200-24-003-CA	200	3	±40	1.2: 1	<10	1MHz	50	-25	50	24	Conduction-cooled
RD1016-080-24-020-CA	80	20	±40	1.3: 1	20-50	1MHz	50	-25	50	24	Conduction-cooled
RD1018-041-24-050-SZ	40.68	50	±40	1.5: 1	80-100	100kHz	110	-20	50	24	Heat sink cooling
RD1019-068-24-050-SZ	68	50	±40	1.5: 1	80-100	100kHz	110	-20	50	24	Heat sink cooling
RD1020-100-24-003-CA	100	3	±20	1.2: 1	<40	1MHz	50	-25	50	24	Conduction-cooled
RD1022-200-24-015-CA	200	15	±40	1.3: 1	20-50	100kHz	50	-25	50	24	Conduction-cooled
RD1023-068-24-025-CZ	68	25	±40	1.2: 1	20-50	1MHz	50	-25	50	24	Conduction-cooled
RD1024-087-24-003-CA	87	3	±20	1.2: 1	<15	100MHz	50	-20	50	24	Conduction-cooled
RD1025-250-24-003-CA	250	3	±40	1.2: 1	20-50	100kHz	50	-25	50	24	Conduction-cooled
RD1026-100-24-020-CA	100	20	±40	1.3: 1	20-50	100kHz	50	-25	50	24	Conduction-cooled
RD1028-110-24-003-CA	110	3	±40	1.3: 1	20-50	100kHz	50	-25	50	24	Conduction-cooled
RD1034-110-24-050-SZ	110	50	±40	1.3: 1	80-100	100kHz	110	-20	50	24	Heat sink cooling
RD1036-080-24-015-CZ	80	15	±40	1.2: 1	<20	100kHz	50	-25	50	24	Conduction-cooled
RD1042-041-24-120-WA	40.68	120	±40	1.2: 1	<80	1MHz	110	-35	50	24	Water cooling
RD1044-080-24-100-WA	80	100	±10	1.5: 1	90-150	100kHz	110	-20	50	24	Water cooling
RD1051-080-24-003-CA	80	3	±0.1	1.1: 1	<40	1MHz	50	-25	50	24	Conduction-cooled

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RD1052-040-24-003-CA	40	3	± 0.1	1.1: 1	<50	1MHz	50	-25	50	24	Conduction-cooled
RD1053-060-24-050-SA	60	50	± 40	1.3: 1	80-100	100kHz	110	-30	50	24	Heat sink cooling
RD1054-020-24-003-CA	20	3	± 0.1	1.2: 1	<100	100kHz	50	-25	50	24	Conduction-cooled
RD1056-080-24-003-CA	80	3	± 20	1.1: 1	40	1MHz	50	-25	50	24	Conduction-cooled
RD1057-200-24-003-CA	200	3	± 20	1.1: 1	<10	1MHz	50	-25	50	24	Conduction-cooled
RD1058-200-24-003-CA	200	3	± 20	1.1: 1	<10	1MHz	50	-25	50	24	Conduction-cooled
RD1064-115-24-003-CA	115	3	± 20	1.2: 1	<35	1MHz	50	-25	50	24	Conduction-cooled
RD1065-125-24-020-CA	125	20	± 40	1.2: 1	20-50	1MHz	50	-25	50	24	Conduction-cooled
RD1067-080-24-008-CZ	80	8	± 40	1.2: 1	20-50	1MHz	50	-25	50	24	Conduction-cooled
RD1070-040-24-180-WA	40	180	± 20	1.2: 1	<80	1MHz	110	-35	50	24	Water cooling
RD1072-080-24-025-CZ	80	25	± 40	1.3: 1	20-50	1MHz	50	-25	50	24	Conduction-cooled
RD1073-080-24-025-CZ	80	25	± 40	1.3: 1	20-50	1MHz	50	-25	50	24	Conduction-cooled
RB1002-100_50-24-020-CT	100	20	± 2.5	2.1: 1	<50	/	/	-25	50	24	Conduction-cooled
RB1003-230_10-24-005-CT	230	5	± 2.5	2.5: 1	<50	/	/	-25	50	24	Conduction-cooled
RB1004-148_50-24-004-CT	148	4	± 2.5	2.5: 1	<50	/	/	-25	50	24	Conduction-cooled
RB1005-240_10-24-003-CT	240	3	± 0.1	1.5: 1	<10	/	/	-25	50	24	Conduction-cooled
RB1006-073_6-24-003-CT	73	3	± 0.1	1.3: 1	50	/	/	-25	50	24	Conduction-cooled
RB1008-080_60-24-003-CT	80	3	± 1	1.3: 1	/	/	/	-30	50	24	Conduction-cooled
RB1009-052_20-24-002-CT	52	2	± 1	1.3: 1	/	/	/	-30	50	24	Conduction-cooled
RB1010-200_100-24-020-CT	200	20	± 1	1.3: 1	/	/	/	-30	50	24	Conduction-cooled
RB1011-200_50-24-003-CT	200	3	± 1	1.3: 1	/	/	/	-30	50	24	Conduction-cooled

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RB1012-040_2 0-24-007-CT	40	7	± 2.5	1.1: 1	50	/	/	-25	50	24	Conduction-cooled
RB1013-085_4 0-24-004-CT	85	4	± 1	1.3: 1	/	/	/	-30	50	24	Conduction-cooled
RB1014-110_1 0-24-002-CT	110	2	± 1	1.3: 1	/	/	/	-30	50	24	Conduction-cooled
RB2001-170_8 0-24-020-CT	170	20	± 2.5	2.5: 1	<50	/	/	-25	50	24	Conduction-cooled
RB2002-080_8 0-24-004-CT	80	4	± 0.1	1.5: 1	<20	/	/	-20	50	24	Conduction-cooled
RB2003-110_6 0-24-020-CT	110	20	± 2.5	2.5: 1	/	/	/	-25	50	24	Conduction-cooled
RB2006-105_9 0-24-003-CT	105	3	± 2.5	2.5: 1	/	/	/	-25	50	24	Conduction-cooled
RB2008-170_4 0-24-070-CT	170	70	± 2.5	2.5: 1	/	/	/	-25	50	24	Conduction-cooled
RB2009-080_3 0-24-070-CT	80	70	± 2.5	2.5: 1	/	/	/	-25	50	24	Conduction-cooled