WR8 GW-8 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

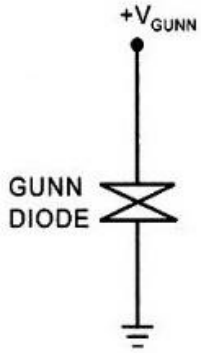
The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

Educational
Communications
Research
Imaging/ Sensors

Frequency (GHz)	Power		Voltage	Frequency Window 100 – 115 GHz
number	mW	dBm	volts	Bandwidth GHz
110	5	7.0	~ + 4.0	± 4.0
110	10	10.0	~ + 4.0	± 4.0
110	15	11.8	~ + 4.0	± 3.0
110	20	13.0	~ + 4.0	± 2.0

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/UM flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR8 GW-8 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

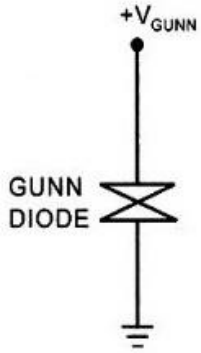
The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

Educational
Communications
Research
Imaging/ Sensors

Frequency (GHz)	Power		Voltage	Frequency Window 100 – 110 GHz
number	mW	dBm	volts	Bandwidth GHz
105	5	7.0	~ + 4.0	± 4.0
105	10	10.0	~ + 4.0	± 4.0
105	15	11.8	~ + 4.0	± 3.0
105	20	13.0	~ + 4.0	± 2.5

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/UM flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR10 GW-10 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

Educational
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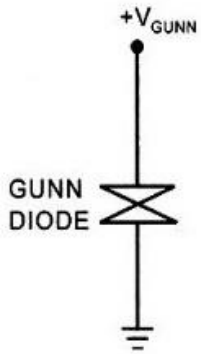
Frequency (GHz)	Power		Voltage	Frequency Window 100 – 110 GHz
number	mW	dBm	volts	Bandwidth GHz
105	5	7.0	~ + 4.0	± 5.0
105	10	10.0	~ + 4.0	± 4.0
105	15	11.8	~ + 4.0	± 4.0
105	20	13.0	~ + 4.0	± 3.0

Alternative centre frequency available.
Specifications at + 32ºC case temperature

DC input : SMA female
RF output : UG-387/UM flange compatible



Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR10 GW-10 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

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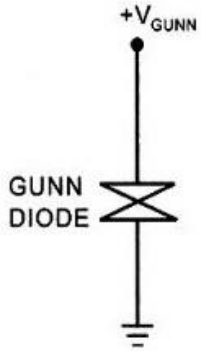
Frequency (GHz)	Power		Voltage	Frequency Window 95 – 105 GHz
number	mW	dBm	volts	Bandwidth GHz
100	10	10.0	~ + 4.1	± 5.0
100	15	11.8	~ + 4.1	± 4.0
100	20	13.0	~ + 4.1	± 4.0
100	30	14.8	~ + 4.1	± 4.0

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/UM flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR10 GW-10 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

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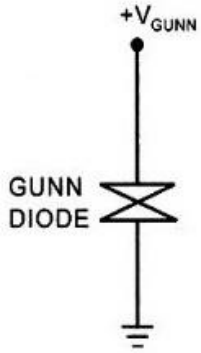
Frequency (GHz)	Power		Voltage	Frequency Window 90 – 100 GHz
number	mW	dBm	volts	Bandwidth GHz
95	10	10.0	~ + 4.3	± 5.0
95	15	11.8	~ + 4.3	± 5.0
95	20	13.0	~ + 4.3	± 4.0
95	30	14.8	~ + 4.3	± 4.0
95	40	16.0	~ + 4.3	± 4.0

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/UM flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR10 GW-10 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

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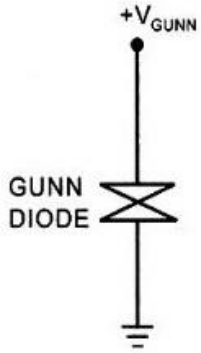
Frequency (GHz)	Power		Voltage	Frequency Window 85 – 95 GHz
number	mW	dBm	volts	Bandwidth GHz
90	10	10.0	~ + 4.7	± 5.0
90	15	11.8	~ + 4.7	± 5.0
90	20	13.0	~ + 4.7	± 5.0
90	30	14.8	~ + 4.7	± 4.0
90	40	16.0	~ + 4.7	± 4.0
90	50	17.0	~ + 4.7	± 4.0

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/UM flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR10 GW-10 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

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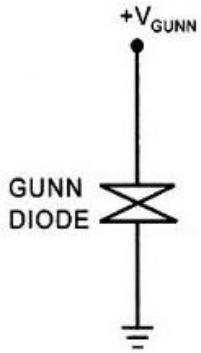
Frequency (GHz)	Power		Voltage	Frequency Window 75 – 85 GHz
number	mW	dBm	volts	Bandwidth GHz
80	10	10.0	~ + 4.9	± 5.0
80	15	11.8	~ + 4.9	± 5.0
80	20	13.0	~ + 4.9	± 5.0
80	30	14.8	~ + 4.9	± 5.0
80	40	16.0	~ + 4.9	± 4.0
80	50	17.0	~ + 4.9	± 4.0
80	60	17.8	~ + 4.9	± 4.0
80	70	18.4	~ + 4.9	± 2.5

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/UM flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR12 GW-12 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

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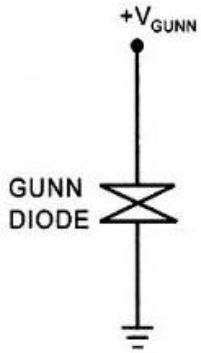
Frequency (GHz)	Power		Voltage	Frequency Window 60 – 90 GHz
number	mW	dBm	volts	Bandwidth GHz
80	10	10.0	~ + 5.1	± 5.0
80	15	11.8	~ + 5.1	± 5.0
80	20	13.0	~ + 5.1	± 5.0
80	30	14.8	~ + 5.1	± 5.0
80	40	16.0	~ + 5.1	± 4.0
80	50	17.0	~ + 5.1	± 4.0
80	60	17.8	~ + 5.1	± 4.0
80	70	18.4	~ + 5.1	± 2.5

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/U flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR12 GW-12 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

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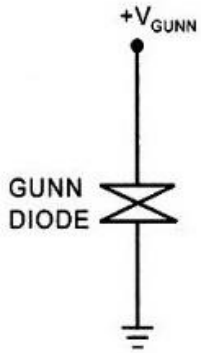
Frequency (GHz)	Power		Voltage	Frequency Window 60 – 90 GHz
number	mW	dBm	volts	Bandwidth GHz
75	10	10.0	~ + 5.1	± 5.0
75	15	11.8	~ + 5.1	± 5.0
75	20	13.0	~ + 5.1	± 5.0
75	30	14.8	~ + 5.1	± 5.0
75	40	16.0	~ + 5.1	± 4.0
75	50	17.0	~ + 5.1	± 4.0
75	60	17.8	~ + 5.1	± 4.0
75	70	18.4	~ + 5.1	± 2.5

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/U flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR12 GW-12 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

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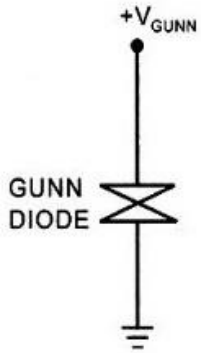
Frequency (GHz)	Power		Voltage	Frequency Window 60 – 90 GHz
number	mW	dBm	volts	Bandwidth GHz
70	10	10.0	~ + 5.1	± 5.0
70	15	11.8	~ + 5.1	± 5.0
70	20	13.0	~ + 5.1	± 5.0
70	30	14.8	~ + 5.1	± 5.0
70	40	16.0	~ + 5.1	± 4.0
70	50	17.0	~ + 5.1	± 4.0
70	60	17.8	~ + 5.1	± 4.0
70	70	18.4	~ + 5.1	± 2.5

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/U flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR12 GW-12 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

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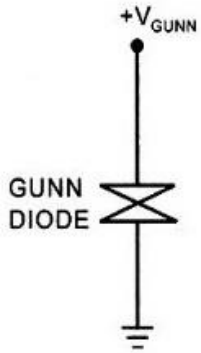
Frequency (GHz)	Power		Voltage	Frequency Window 60 – 90 GHz
number	mW	dBm	volts	Bandwidth GHz
65	10	10.0	~ + 5.1	± 5.0
65	15	11.8	~ + 5.1	± 5.0
65	20	13.0	~ + 5.1	± 5.0
65	30	14.8	~ + 5.1	± 5.0
65	40	16.0	~ + 5.1	± 4.0
65	50	17.0	~ + 5.1	± 4.0
65	60	17.8	~ + 5.1	± 4.0
65	70	18.4	~ + 5.1	± 2.5

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/U flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR15 GW-15 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

Educational
Communications
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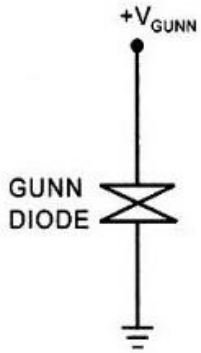
Frequency (GHz)	Power		Voltage	Frequency Window 50 – 75 GHz
number	mW	dBm	volts	Bandwidth GHz
70	10	10.0	~ + 5.1	± 5.0
70	15	11.8	~ + 5.1	± 5.0
70	20	13.0	~ + 5.1	± 5.0
70	30	14.8	~ + 5.1	± 4.0
70	40	16.0	~ + 5.1	± 4.0
70	50	17.0	~ + 5.1	± 3.5
70	60	17.8	~ + 5.1	± 3.5
70	70	18.4	~ + 5.1	± 2.5

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/U flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR15 GW-15 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

Educational
Communications
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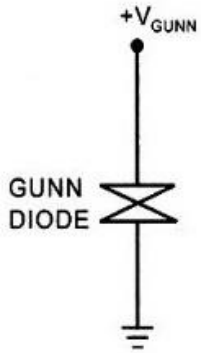
Frequency (GHz)	Power		Voltage	Frequency Window 50 – 75 GHz
number	mW	dBm	volts	Bandwidth GHz
65	10	10.0	~ + 5.3	± 5.0
65	15	11.8	~ + 5.3	± 5.0
65	20	13.0	~ + 5.3	± 5.0
65	30	14.8	~ + 5.3	± 4.5
65	40	16.0	~ + 5.3	± 3.5
65	50	17.0	~ + 5.3	± 3.5
65	60	17.8	~ + 5.3	± 3.5
65	70	18.4	~ + 5.3	± 2.5

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/U flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR15 GW-15 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

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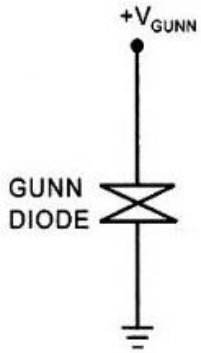
Frequency (GHz)	Power		Voltage	Frequency Window 50 – 75 GHz
number	mW	dBm	volts	Bandwidth GHz
60	10	10.0	~ + 5.7	± 5.0
60	15	11.8	~ + 5.7	± 5.0
60	20	13.0	~ + 5.7	± 5.0
60	30	14.8	~ + 5.7	± 4.5
60	40	16.0	~ + 5.7	± 3.5
60	50	17.0	~ + 5.7	± 3.5
60	60	17.8	~ + 5.7	± 3.5
60	70	18.4	~ + 5.7	± 2.5

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/U flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR15 GW-15 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

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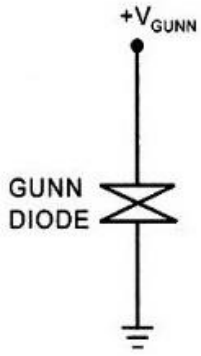
Frequency (GHz)	Power		Voltage	Frequency Window 50 – 75 GHz
number	mW	dBm	volts	Bandwidth GHz
55	10	10.0	~ + 5.9	± 5.0
55	15	11.8	~ + 5.9	± 5.0
55	20	13.0	~ + 5.9	± 5.0
55	30	14.8	~ + 5.9	± 4.5
55	40	16.0	~ + 5.9	± 3.0
55	50	17.0	~ + 5.9	± 3.0
55	60	17.8	~ + 5.9	± 3.0
55	70	18.4	~ + 5.9	± 2.5

Alternative centre frequency available.
Specifications at + 32ºC case temperature

DC input : SMA female
RF output : UG-387/U flange compatible



Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass

WR15 GW-15 Mechanically Tuned Gunn oscillator – Dual micrometer

The unit utilises a GaAs Gunn device in a waveguide cavity.
Two independent micrometres:-
The frequency micrometer allows adjustment of frequency; the power micrometer allows optimisation of output power
A small amount of bias voltage adjustment will provide electronic frequency tuning.

The module provides a convenient way of generating an RF signal using a solid state device.
A clean and stable DC power supply will enhance performance and spectral purity

Applications:-

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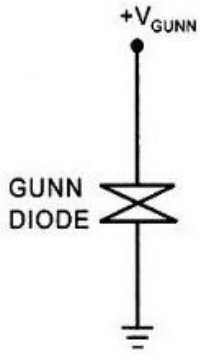
Frequency (GHz)	Power		Voltage	Frequency Window 50 – 75 GHz
number	mW	dBm	volts	Bandwidth GHz
50	10	10.0	~ + 5.9	± 5.0
50	15	11.8	~ + 5.9	± 5.0
50	20	13.0	~ + 5.9	± 5.0
50	30	14.8	~ + 5.9	± 4.5
50	40	16.0	~ + 5.9	± 3.0
50	50	17.0	~ + 5.9	± 3.0
50	60	17.8	~ + 5.9	± 3.0
50	70	18.4	~ + 5.9	± 2.5

Alternative centre frequency available.
Specifications at + 32ºC case temperature



DC input : SMA female
RF output : UG-387/U flange compatible

Note: Customised performance and outline envelope available e.g. greater bandwidth, smaller outline/ mass