



PLANAR DETECTOR

[WDP-42 - 18-26.5GHz](#)

[WDP-28 - 26.5-40GHz](#)

[WDP-22 - 30-50GHz](#)

[WDP-19 - 40-60GHz](#)

[WDP-15 - 50-75GHz](#)

[WDP-12 - 60-90GHz](#)

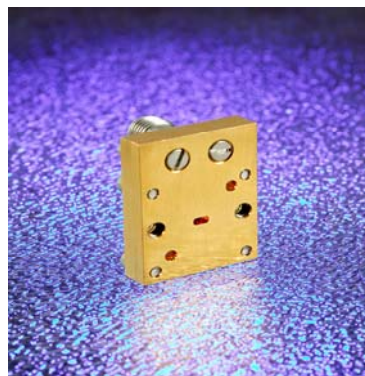
[WDP-10 - 75-110GHz](#)

[WDP-08 - 90-140GHz](#)

[WDP-06 - 110-170GHz](#)

Datasheet**Description**

The Farran Technology WDP-Series of detectors employs finline technology and zero biased beamlead Schottky barrier diodes. Full waveguide band operation is achieved with good sensitivity in a compact unit. WDP units are offered between 18-170 GHz. The units are fixed tuned and operate without bias making them particularly convenient to use. Either output voltage polarity is available. Applications are as sensors for network analysers and as low cost replacements for power heads.

**Features**

- Full waveguide bandwidth
- Zero bias operation
- Economical
- Rugged
- Light weight

Applications

- Test systems
- Instrumentations
- Relative power measurements

Specification	Unit	Min	Typ	Max
Frequency	GHz	110		170
Waveguide Designation			WR-06	
Flange Compatability			UG387/U-M	
Sensitivity	mV/mW		>220	
Flatness	dB			±2.5

Note:

The data contained in this document describes new products in the pre-production phase of development, and is for information only. Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.

Datasheet**Description**

The Farran Technology WDP-Series of detectors employs finline technology and zero biased beamlead Schottky barrier diodes. Full waveguide band operation is achieved with good sensitivity in a compact unit. WDP units are offered between 18-170 GHz. The units are fixed tuned and operate without bias making them particularly convenient to use. Either output voltage polarity is available. Applications are as sensors for network analysers and as low cost replacements for power heads

**Features**

- Full waveguide bandwidth
- Zero bias operation
- Economical
- Rugged
- Light weight

Applications

- Test systems
- Instrumentations
- Relative power measurements

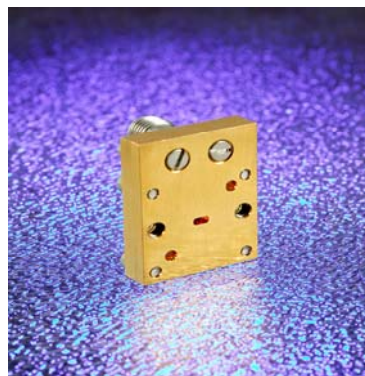
Specification	Unit	Min	Typ	Max
Frequency	GHz	90		140
Waveguide Designation			WR-08	
Flange Compatability			UG387/U-M	
Sensitivity	mV/mW		>220	
Flatness	dB			±2

Note:

The data contained in this document describes new products in the pre-production phase of development, and is for information only. Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.

Datasheet**Description**

The Farran Technology WDP-Series of detectors employs finline technology and zero biased beamlead Schottky barrier diodes. Full waveguide band operation is achieved with good sensitivity in a compact unit. WDP units are offered between 18-170 GHz. The units are fixed tuned and operate without bias making them particularly convenient to use. Either output voltage polarity is available. Applications are as sensors for network analysers and as low cost replacements for power heads

**Features**

- Full waveguide bandwidth
- Zero bias operation
- Economical
- Rugged
- Light weight

Applications

- Test systems
- Instrumentations
- Relative power measurements

Specification	Unit	Min	Typ	Max
Frequency	GHz	75		110
Waveguide Designation			WR-10	
Flange Compatability			UG387/U-M	
Sensitivity	mV/mW		>550	
Flatness	dB			±2

Note:

The data contained in this document describes new products in the pre-production phase of development, and is for information only. Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.

Datasheet**Description**

The Farran Technology WDP-Series of detectors employs finline technology and zero biased beamlead Schottky barrier diodes. Full waveguide band operation is achieved with good sensitivity in a compact unit. WDP units are offered between 18-170 GHz. The units are fixed tuned and operate without bias making them particularly convenient to use. Either output voltage polarity is available. Applications are as sensors for network analysers and as low cost replacements for power heads

**Features**

- Full waveguide bandwidth
- Zero bias operation
- Economical
- Rugged
- Light weight

Applications

- Test systems
- Instrumentations
- Relative power measurements

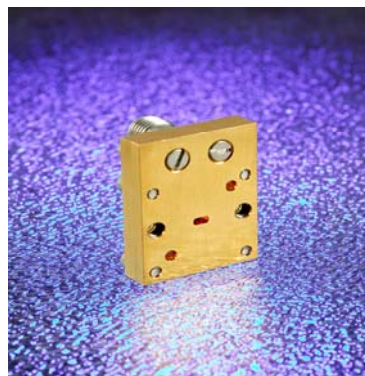
Specification	Unit	Min	Typ	Max
Frequency	GHz	60		90
Waveguide Designation			WR-12	
Flange Compatability			UG-387/U	
Sensitivity	mV/mW		>550	
Flatness	dB			±2

Note:

The data contained in this document describes new products in the pre-production phase of development, and is for information only. Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.

Datasheet**Description**

The Farran Technology WDP-Series of detectors employs finline technology and zero biased beamlead Schottky barrier diodes. Full waveguide band operation is achieved with good sensitivity in a compact unit. WDP units are offered between 18-170 GHz. The units are fixed tuned and operate without bias making them particularly convenient to use. Either output voltage polarity is available. Applications are as sensors for network analysers and as low cost replacements for power heads.

**Features**

- Full waveguide bandwidth
- Zero bias operation
- Economical
- Rugged
- Light weight

Applications

- Test systems
- Instrumentations
- Relative power measurements

Specification	Unit	Min	Typ	Max
Frequency	GHz	50		75
Waveguide Designation			WR-15	
Flange Compatability			UG385/U	
Sensitivity	mV/mW	550		
Flatness	dB			±2

Note:

The data contained in this document describes new products in the pre-production phase of development, and is for information only. Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.

Datasheet**Description**

The Farran Technology WDP-Series of detectors employs finline technology and zero biased beamlead Schottky barrier diodes. Full waveguide band operation is achieved with good sensitivity in a compact unit. WDP units are offered between 18-170 GHz. The units are fixed tuned and operate without bias making them particularly convenient to use. Either output voltage polarity is available. Applications are as sensors for network analysers and as low cost replacements for power heads.

**Features**

- Full waveguide bandwidth
- Zero bias operation
- Economical
- Rugged
- Light weight

Applications

- Test systems
- Instrumentations
- Relative power measurements

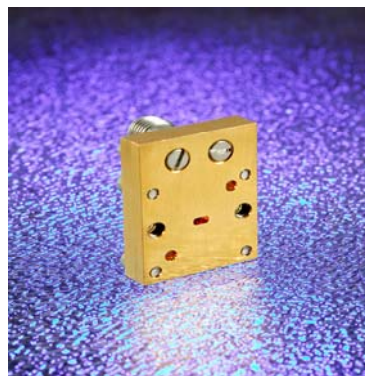
Specification	Unit	Min	Typ	Max
Frequency	GHz	40		60
Waveguide Designation			WR-19	
Flange Compatability			UG383/U	
Sensitivity	mV/mW	750		
Flatness	dB			±2

Note:

The data contained in this document describes new products in the pre-production phase of development, and is for information only. Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.

Datasheet**Description**

The Farran Technology WDP-Series of detectors employs finline technology and zero biased beamlead Schottky barrier diodes. Full waveguide band operation is achieved with good sensitivity in a compact unit. WDP units are offered between 18-170 GHz. The units are fixed tuned and operate without bias making them particularly convenient to use. Either output voltage polarity is available. Applications are as sensors for network analysers and as low cost replacements for power heads.

**Features**

- Full waveguide bandwidth
- Zero bias operation
- Economical
- Rugged
- Light weight

Applications

- Test systems
- Instrumentations
- Relative power measurements

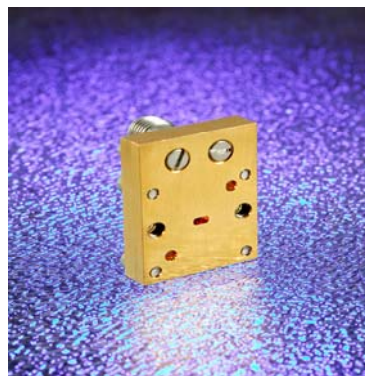
Specification	Unit	Min	Typ	Max
Frequency	GHz	33		50
Waveguide Designation			WR-22	
Flange Compatability			UG383/U-M	
Sensitivity	mV/mW	750		
Flatness	dB			±2

Note:

The data contained in this document describes new products in the pre-production phase of development, and is for information only. Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.

Datasheet**Description**

The Farran Technology WDP-Series of detectors employs finline technology and zero biased beamlead Schottky barrier diodes. Full waveguide band operation is achieved with good sensitivity in a compact unit. WDP units are offered between 18-170 GHz. The units are fixed tuned and operate without bias making them particularly convenient to use. Either output voltage polarity is available. Applications are as sensors for network analysers and as low cost replacements for power heads.

**Features**

- Full waveguide bandwidth
- Zero bias operation
- Economical
- Rugged
- Light weight

Applications

- Test systems
- Instrumentations
- Relative power measurements

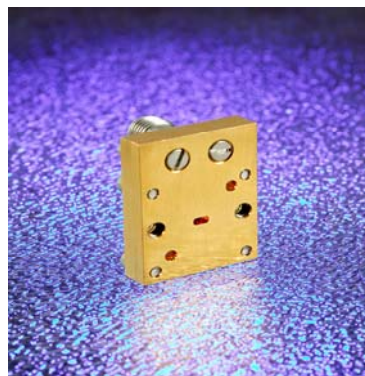
Specification	Unit	Min	Typ	Max
Frequency	GHz	26.5		40
Waveguide Designation			WR-28	
Flange Compatability			UG599/U	
Sensitivity	mV/mW	1000		
Flatness	dB			±2

Note:

The data contained in this document describes new products in the pre-production phase of development, and is for information only. Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.

Datasheet**Description**

The Farran Technology WDP-Series of detectors employs finline technology and zero biased beamlead Schottky barrier diodes. Full waveguide band operation is achieved with good sensitivity in a compact unit. WDP units are offered between 18-170 GHz. The units are fixed tuned and operate without bias making them particularly convenient to use. Either output voltage polarity is available. Applications are as sensors for network analysers and as low cost replacements for power heads.

**Features**

- Full waveguide bandwidth
- Zero bias operation
- Economical
- Rugged
- Light weight

Applications

- Test systems
- Instrumentations
- Relative power measurements

Specification	Unit	Min	Typ	Max
Frequency	GHz	18		26
Waveguide Designation			WR-42	
Flange Compatability			UG595/U	
Sensitivity	mV/mW	2000		
Flatness	dB			±1

Note:

The data contained in this document describes new products in the pre-production phase of development, and is for information only. Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.