

Detectors



2019



Qualwave Inc.

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QD-10-8000

Broadband & High Sensitivity

Features:
 * Broadband
 * High Sensitivity

Applications:
 * Telecom
 * Instrumentation
 * Laboratory Test
 * Radar

Electrical

Frequency Range:	0.01~8GHz
Sensitivity:	400mV/mW
Flatness:	±0.8dB max.
VSWR:	1.5 max.
Polarity:	Negative
Input Power Without Damage:	20dBm

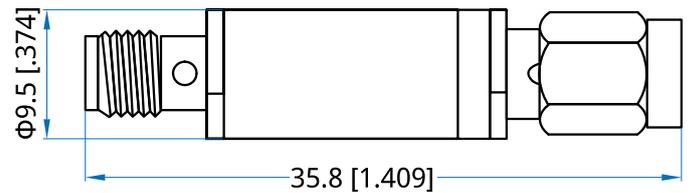
Mechanical

Size*1:	Φ9.5*35.8mm Φ0.374*1.409in
Weight:	100g max.
Input Connector:	SMA Male
Output Connector:	SMA Female

Environmental

Operating Temperature:	0~+50°C
Non-operating Temperature:	-20~+70°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

QD-10-8000

Customization is available upon request.

QD-10-18000

Broadband & High Sensitivity

Features:
 * Broadband
 * High Sensitivity

Applications:
 * Telecom
 * Instrumentation
 * Laboratory Test
 * Radar

Electrical

Frequency Range:	0.01~18GHz
Sensitivity:	400mV/mW
Flatness:	±1dB max.
VSWR:	2 max.
Polarity:	Negative
Input Power Without Damage:	20dBm

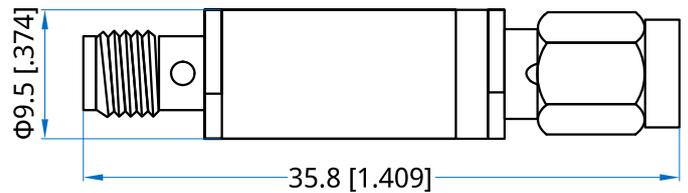
Mechanical

Size*1:	Φ9.5*35.8mm Φ0.374*1.409in
Weight:	100g max.
Input Connector:	SMA Male
Output Connector:	SMA Female

Environmental

Operating Temperature:	0~+50°C
Non-operating Temperature:	-20~+70°C

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.2mm [±0.008in]

How To Order

QD-10-18000

Customization is available upon request.

QD-10-26500

Broadband & High Sensitivity

Features:
 * Broadband
 * High Sensitivity

Applications:
 * Telecom
 * Instrumentation
 * Laboratory Test
 * Radar

Electrical

Frequency Range:	0.01~26.5GHz
Sensitivity:	400mV/mW
Flatness:	±1.5dB max.
VSWR:	2 max.
Polarity:	Negative
Input Power Without Damage:	20dBm

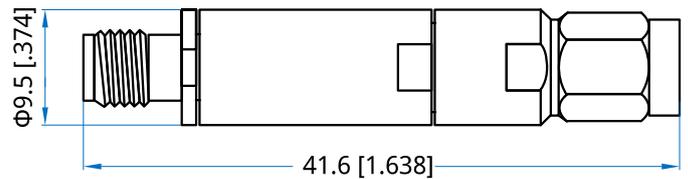
Mechanical

Size*1:	Φ9.5*41.6mm Φ0.374*1.638in
Weight:	100g max.
Input Connector:	3.5mm Male
Output Connector:	SMA Female

Environmental

Operating Temperature:	0~+50°C
Non-operating Temperature:	-20~+70°C

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.2mm [±0.008in]

How To Order

QD-10-26500

Customization is available upon request.

QD-10-40000

Broadband & High Sensitivity

Features:
 * Broadband
 * High Sensitivity

Applications:
 * Telecom
 * Instrumentation
 * Laboratory Test
 * Radar

Electrical

Frequency Range:	0.01~40GHz
Sensitivity:	350mV/mW
Flatness:	±1.75dB max.
VSWR:	2 max.
Polarity:	Negative
Input Power Without Damage:	20dBm

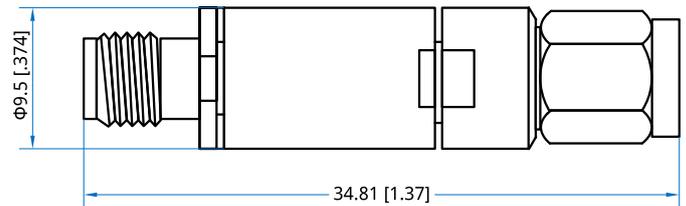
Mechanical

Size*1:	Φ9.5*34.8mm Φ0.374*1.370in
Weight:	100g max.
Input Connector:	2.4mm Male
Output Connector:	SMA Female

Environmental

Operating Temperature:	0~+50°C
Non-operating Temperature:	-20~+70°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

QD-10-40000

Customization is available upon request.

QWD-28

Broadband & High Sensitivity

Features:
 * Broadband
 * High Sensitivity

Applications:
 * Telecom
 * Instrumentation
 * Laboratory Test
 * Radar

Electrical

Frequency Range:	26.5~40GHz
Sensitivity:	300mV/mW
Flatness:	±1.5dB max.
Polarity:	Negative
Input Power Without Damage:	20dBm

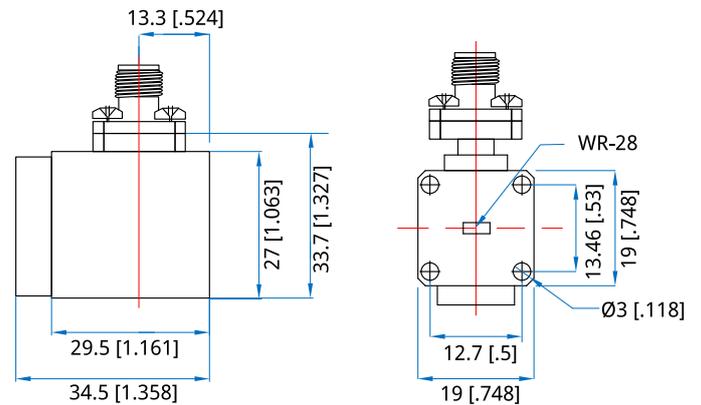
Mechanical

Size:	34.5*33.7*19mm 1.358*1.327*0.748in
Weight:	150g max.
Input Connector:	WR-28
Output Connector:	SMA Female

Environmental

Operating Temperature:	0~+50°C
Non-operating Temperature:	-20~+70°C

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.2mm [±0.008in]

How To Order

QWD-28

Customization is available upon request.

QWD-22

Broadband & High Sensitivity

Features:
 * Broadband
 * High Sensitivity

Applications:
 * Telecom
 * Instrumentation
 * Laboratory Test
 * Radar

Electrical

Frequency Range: 33~50GHz
 Sensitivity: 300mV/mW
 Flatness: ± 1.8 dB max.
 Polarity: Negative
 Input Power Without Damage: 20dBm

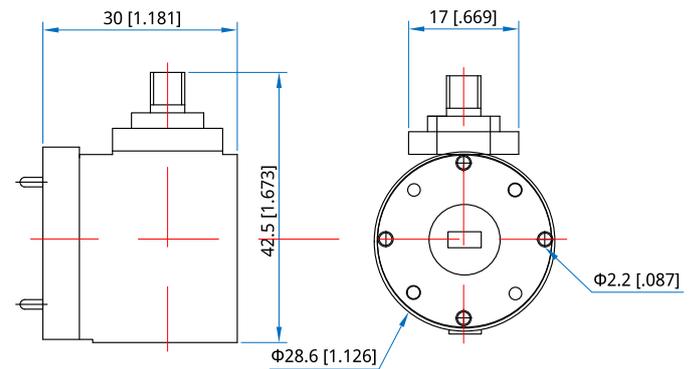
Mechanical

Size: 30*42.5*17mm
 1.181*1.673*0.669in
 Weight: 150g max.
 Input Connector: WR-22
 Output Connector: SMA Female

Environmental

Operating Temperature: 0~+50°C
 Non-operating Temperature: -20~+70°C

Outline Drawings



Unit: mm [in]
 Tolerance: ± 0.2 mm [± 0.008 in]

How To Order

QWD-22

Customization is available upon request.

QWD-15

Broadband & High Sensitivity

Features:
 * Broadband
 * High Sensitivity

Applications:
 * Telecom
 * Instrumentation
 * Laboratory Test
 * Radar

Electrical

Frequency Range:	50~75GHz
Sensitivity:	200mV/mW
Flatness:	±2dB max.
Polarity:	Negative
Input Power Without Damage:	20dBm

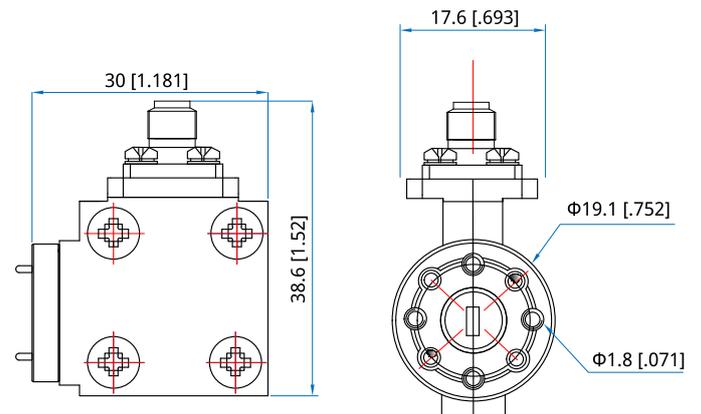
Mechanical

Size:	30*17.6*38.6mm 1.181*0.693*1.52in
Weight:	150g max.
Input Connector:	WR-15
Output Connector:	SMA Female

Environmental

Operating Temperature:	0~+50°C
Non-operating Temperature:	-20~+70°C

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.2mm [±0.008in]

How To Order

QWD-15

Customization is available upon request.

QWD-10

Broadband & High Sensitivity

Features:
 * Broadband
 * High Sensitivity

Applications:
 * Telecom
 * Instrumentation
 * Laboratory Test
 * Radar

Electrical

Frequency Range:	75~110GHz
Sensitivity:	100mV/mW
Flatness:	±2.2dB max.
Polarity:	Negative
Input Power Without Damage:	20dBm

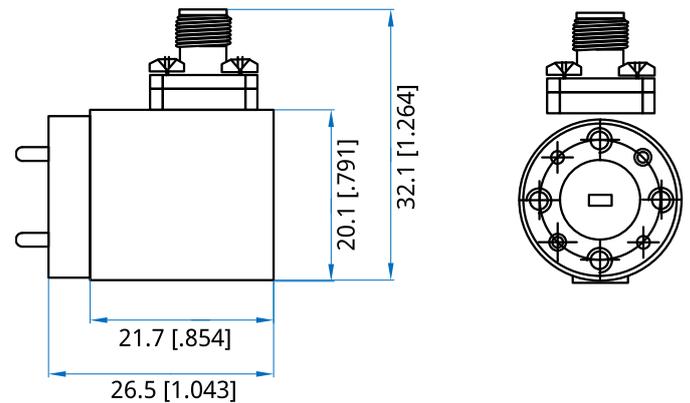
Mechanical

Length:	26.5mm 1.043in
Weight:	150g max.
Input Connector:	WR-10
Output Connector:	SMA Female

Environmental

Operating Temperature:	0~+50°C
Non-operating Temperature:	-20~+70°C

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.2mm [±0.008in]

How To Order

QWD-10

Customization is available upon request.