

## QS5-THZ-BL

테라헤르츠 파워 계측용 이산 초전기 센서.



### 주요 특징

#### RELATIVE MEASUREMENTS FROM 0.1 TO 30 THZ

Broadband, room temperature operation, easier to use and less expensive than a Golay cell

#### EASY TO INTEGRATE FORMAT

TO5 and TO8 packages make the QS-THZ detectors small and easy to integrate in an existing system

#### SEVERAL SENSOR SIZES AVAILABLE

Choice of 2 x 2 mm and 5 and 9 mm  $\varnothing$

#### CALIBRATED AT 0.63 MM

QS-THZ detectors are calibrated at a single wavelength (0.63  $\mu\text{m}$ ) and include typical wavelength correction data from 0.25 to 440  $\mu\text{m}$ . They are used for relative measurements outside that range.

#### TEST BOX AVAILABLE

Can be used with our QS-I-TEST test box which provides mounting and power supply

#### PERMANENT IR WINDOW OPTIONS

Every model can be fitted with a permanent IR window to narrow the wavelength range:

- S5/8: sapphire (0.3 – 4.5 and 100 - 1000  $\mu\text{m}$ )
- Q5/8: quartz (0.25 – 3.0 and 50 - 1000  $\mu\text{m}$ )
- Si5/8: silicon (1.2 – 8.0 and 50 - 1000  $\mu\text{m}$ )

## 사양

계측 성능	
등가노이즈파워(NEP)	1 nW
스펙트럼 범위 <sup>1</sup>	10 - 3000 $\mu\text{m}$
주파수	0.1 - 30 THz
전압 반응성	70 kV/W
1. 예측 스펙트럼 범위. 10~440 $\mu\text{m}$ 에서의 분광계 측정. 440에서 3,000 $\mu\text{m}$ 에서는 상대 측정만 가능합니다. 이 스펙트럼 범위는 변경될 수 있습니다.	
손상 한계	
최대 평균 파워 밀도	50 MW/cm <sup>2</sup>
물리적 특성	
구경 지름	5 mm
업소버	BL
치수	9.1 $\varnothing$ x 6.4D mm
중량	0.045 kg
패키지	TO5

### ORDERING INFORMATION

QS5-THZ-BL	202289
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