

PR43 MID-IR PHOTORESISTOR

Material: PbSe

TECHNICAL SPECIFICATIONS (Ta = 20°C)

Wavelength range (50%) 1.00 - 4.40 μm

Maximum responsivity (>90%) 2.00 – 3.8 μm

Zero bias resistance (10 mV) 0.15 - 0.35 M Ω

D* (573K, 1200 Hz, 143 Hz) (5-10) $10^8 \text{ W}^{-1} \text{ cm Hz}^{1/2}$

Voltage / Watt sensitivity 200 - 500 V/W

Rise and fall times of photocurrent pulse 5 μs

Photosensitive area 2.0 x 1.8 mm^2

Package TO-5

