

SiC - quadrant-photodiode JQC 4



- characteristics :
- ◆ spectral range 210 ... 380 nm
 - ◆ active area 4 x 0.965 mm²
 - ◆ separation gap <0.2 mm
 - ◆ high UV - response 0.16 A/W
 - ◆ TO 39-package

- applications :
- ◆ UV-measurement only
 - ◆ UV positioning application
 - ◆ UV-source control

maximum ratings:

maximum reverse voltage	20 V
operating temperature range	- 25 °C ... 70°C
storage temperature range	- 40 °C ... 100°C
soldering temperature (3s)	260 °C

technical data :

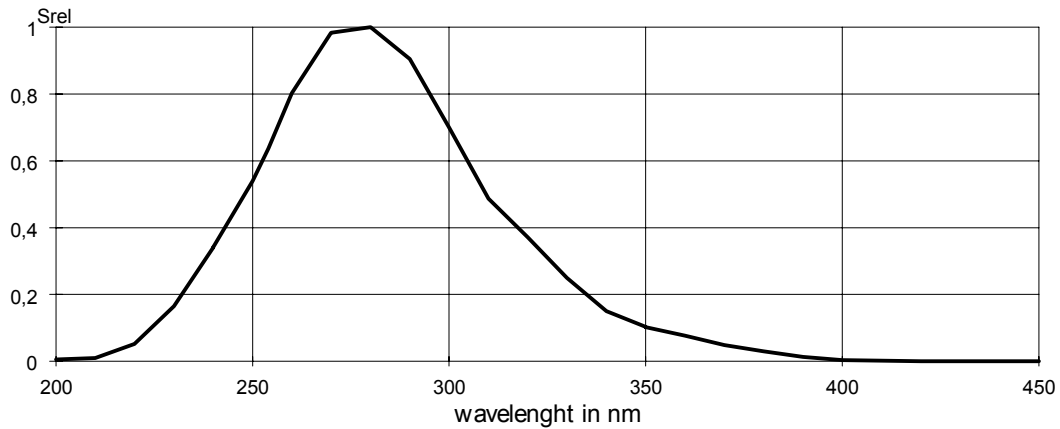
all data are for one element only.

test conditions, as not otherwise specified: $\gamma_a = 25 \text{ °C}$, $V_R = 0V$

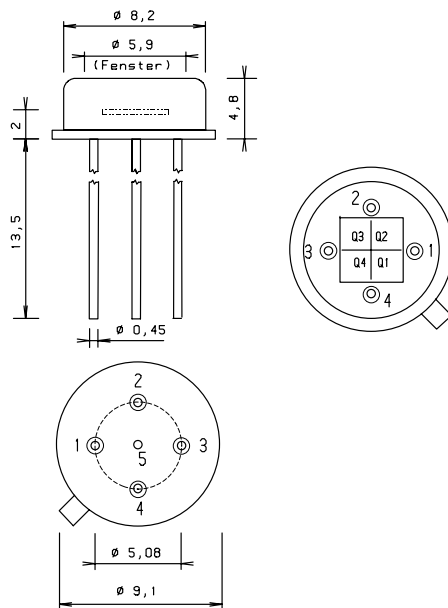
parameters	test conditions	min.	typ.	max.	unit
active area			1 x 1		mm ²
spectral range		210		380	nm
maximum of spectral responsivity	$\lambda_{\max} = 275 \text{ nm}$		0.16		A/W
absolute spectral responsivity	$\lambda = 254 \text{ nm}$		0.14		A/W
dark current I_R	$V_R = 1 \text{ V}$		10		fA
short current (Sonnenlicht)	bright sun cloudy		1 0.4		μA
capacitance			195		pF

DATA SHEET

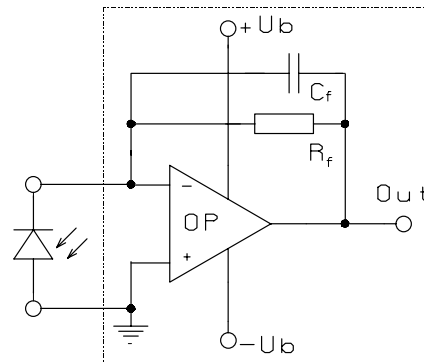
relative spectral response



package dimensions



application example (one element only !)



- 1 Kathode 1
- 2 Kathode 2
- 3 Kathode 3
- 4 Kathode 4
- 5 Anode & Case

application hint:

by connecting cathode 1 to 4 a single photodiode with an active area of 4mm^2 will be obtained

For more information & quotations, please contact:
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