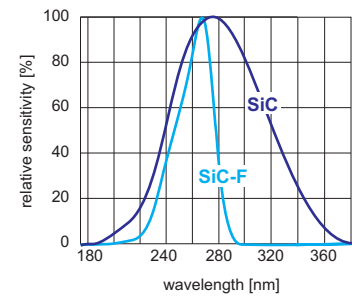
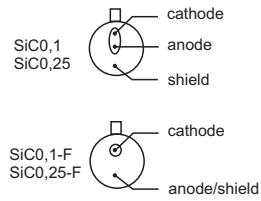
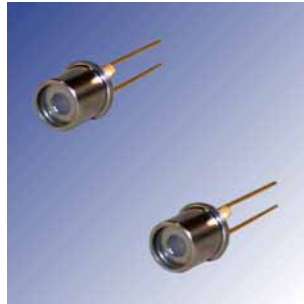
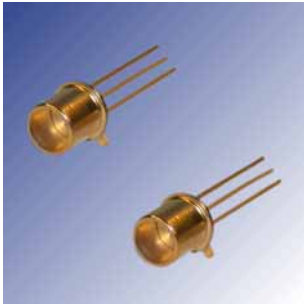




## Measurement Equipment Accessories Silicon Carbide UV Diodes

Monitoring of UV irradiation

### Silicon carbide UV diodes



name	spectral range [nm]	UV sensitive area [mm <sup>2</sup> ]	filter aperture area [mm <sup>2</sup> ]	$\lambda_{Smax}$ on max. UV sensitivity	dark current [fA] on $V_R = 1V$	short-circuit current [nA] on bright sun/ cloudy sky
SiC-0,1	210...380	0,055	-	275nm	1	50/20
SiC-0,1-F	220...290	0,054	3,46	270nm	1	-
SiC-0,25	210...380	0,25	-	280nm	2	180/50
SiC-0,25-F	220...290	0,25	3,46	270nm	2	-

These UV diodes are suitable for the detection of UV radiation.  
The -F types contain an UV-C filter for limitation of spectral sensitivity for strict detection of UV-C.  
For low UV intensities the SiC-0,25 types are recommended.

<b>body:</b>	SiC0,1 and SiC-0,25 are electrically insulated from housing		
<b>operation temperature:</b>	-25°C...70°C	<b>storage temperature:</b>	0°C...40°C
<b>soldering temperature:</b>	260°C (3s max.)		