

UV detector selection chart



<u>Material</u>	<u>Part Number</u>	<u>Spectral Response (nm)</u>	<u>Active Area (mm²)</u>	<u>Responsivity at peak (A/W)</u>	<u>Package</u>	<u>Comments</u>
SiC	SG01S	210 to 380	0.054	0.13	TO-18	
SiC	SG01S-Short	210 to 380	0.054	0.13	TO-18	short cap
SiC	SG01S-5	210 to 380	0.054	0.13	TO-5	
SiC	Sg01S-HT	210 to 380	0.054	0.13	TO-18	High temp version
SiC	SG01S-ISO	210 to 380	0.054	0.13	TO-18	isolated
SiC	SG01S-ISO90	210 to 380	0.054	0.13	TO-18	isolated, pin difference
SiC	SG01S-A18	310 to 395	0.054	0.065	TO-18	UV-A filtered
SiC	SG01S-B18	230 to 320	0.054	0.12	TO-18	UV-B filtered
SiC	SG01S-C18	230 to 285	0.054	0.11	TO-18	UV-C filtered
SiC	SG01S-C	230 to 285	0.054	0.11	TO-39	UV-C filtered
SiC	EryF*	235 to 325	0.054	0.11	TO-18	Erythema
SiC	SG01M	220 to 360	0.22	0.13	TO-18	
SiC	SG01M-C	230 to 285	0.22	0.11	TO-39	UV-C filtered
SiC	SG01M-Lens	220 to 360	11	0.13	TO-39	narrow FOV
SiC	SG01L-5	220 to 360	0.96	0.13	TO-5	
SiC	SG01L-18	220 to 360	0.96	0.13	TO-18	
SiC	SG01L-C	230 to 285	0.96	0.11	TO-39	UV-C filtered
SiC	SG01L4-5	220 to 360	3.84	0.13	TO-5	4 - 1x1 chips
SiC	SG01L4-5C	230 to 285	3.84	0.11	TO-5	4 - 1x1 chips, UV-C
<i>Devices with hybrid preamps inside the TO-39 package. Add +5V and readout.</i>						
SiC	<i>TOCON_Nano</i>	210 to 380	12.8	<< 1 nW/cm ²	TO-39	<i>narrow FOV, amplified</i>
SiC	<i>TOCON_Std</i>	210 to 380	0.22	<<1mW/cm ²	TO-39	<i>cosine corrected, amplified</i>
SiC	<i>TOCON-Mega</i>	210 to 380	0.22	<<100mW/cm ²	TO-39	<i>Rad hard, amplified</i>
GaN	AG38S-TO	220 to 370	0.076	0.14	TO-18	
ALGaN	AG38S-SMD	220 to 370	0.076	0.14	SMD	
ALGaN	AG38AS-SMD-S	220 to 370	0.076	0.14	SMD	
ALGaN	AG32S-SMD	225 to 317	0.076	0.1	SMD	
ALGaN	AG32S	225 to 317	0.076	0.1	TO-18	
ALGaN	AG28S	225 to 285	0.076	0.045	TO-18	
TiO ₂	ERYCA	215 to 325	4.18	0.019	TO-18	Erythema (coming soon)
TiO ₂	TW30SX	215 to 387	4.18	0.021	TO-18	
TiO ₂	TW30SY	215 to 387	15.66	0.021	TO-39	
TiO ₂	TW30DZ	253 to 361	4.18	0.021	TO-46	
TiO ₂	TW30DY	253 to 361	15.66	0.021	TO-39	
TiO ₂	TW30DY2	260 to 360	15.66	0.018	TO-39	

In general, the attributes (spectral response, package details, temperature stability) of any SiC device here can be supplied for any other SiC chip size even if not listed left.



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