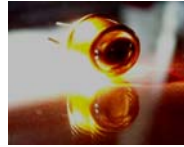


UV detector selection chart



Material	Part Number	Spectral Response (nm)	Active Area (mm ²)	Responsivity at peak (A/W)	Package	Comments
SiC	SG01S	210 to 380	0.054	0.13	TO-18	most popular
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, pins in line
SiC	SG01S-ISO90	210 to 380	0.054	0.13	TO-18	isolated, pins at 90°
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 filtered
SiC	SG01XL	230 to 380	4	0.13	TO-18	2x2 mm chip

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.

Devices with hybrid preamps inside the TO-39 package. Add +5V and readout.

Material	Part Number	Spectral Response (nm)	Active Area (mm ²)	Responsivity at peak (A/W)	Package	Comments
SiC	TOCON_Nano	210 to 380	12.8	<< 1 nW/cm ²	TO-39	narrow FOV, amplified
SiC	TOCON_Micro	210 to 380	0.22	<<10μW/cm ²	TO-39	amplified
SiC	TOCON_Std	210 to 380	0.22	<<1mW/cm ²	TO-39	cosine corrected, amplified
SiC	TOCON-Mega	210 to 380	0.22	<<100mW/cm ²	TO-39	Rad Hard, amplified

Material	Part Number	Spectral Response (nm)	Active Area (mm ²)	Responsivity at peak (A/W)	Package	Comments
GaN	AG38S-TO	220 to 370	0.076	0.14	TO-18	
ALGaN	AG38S-SMD	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	

Material	Part Number	Spectral Response (nm)	Active Area (mm ²)	Responsivity at peak (A/W)	Package	Comments
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	



Boston Electronics Corporation, 91 Boylston St, Brookline MA 02445 USA
 (617)566-3821 or (800)347-5445; fax (617)731-0935; UV@boselec.com; www.boselec.com