



sglux
The UV Experts

圧倒的 紫外線耐性

SiCフォトダイオード



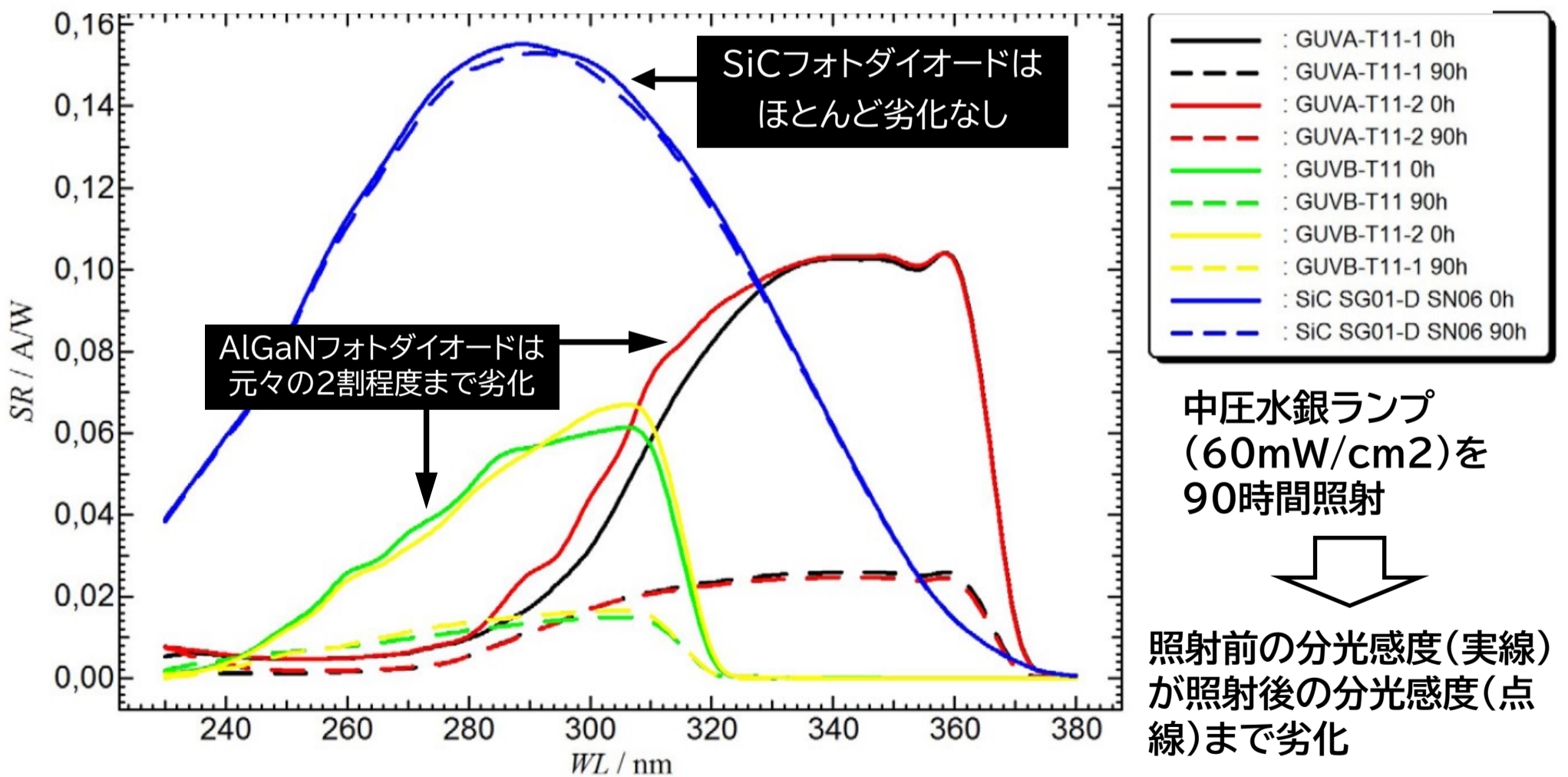
従来品の30倍以上^(※)のUV耐性

(※) AlGaNフォトダイオードとSiCフォトダイオードに中圧水銀ランプ(60mW/cm²)を90時間照射したメーカー試験データに基づく

型式リスト

S, M, D, L, F, XL	nothing, A, B, C or E	18, 18ISO90, 18S, 5, 18ISO90S, 5ISO90	nothing, Lens, MEGA, GIGA, DIFFUSOR
Chip area	Spectral response	Housing	Special
S 0.06 mm ²	nothing = broad band UV $\lambda_{\max} = 280 \text{ nm}$ $\lambda_{510\%} = 221 \text{ nm} \dots 358 \text{ nm}$	18 2-pin TO18 housing, h = 5.2 mm, 1 pin isolated, 1 pin grounded	Lens with concentrating lens, TO5 only
M 0.20 mm ²	A = UVA $\lambda_{\max} = 331 \text{ nm}$ $\lambda_{510\%} = 309 \text{ nm} \dots 367 \text{ nm}$	18ISO90 3-pin TO18 housing, h = 5.2 mm, 2 pins isolated, 1 pin grounded	MEGA with attenuator up to 0.5 W/cm ²
D 0.50 mm ²	B = UVB $s_{\max} = 280 \text{ nm}$ $\lambda_{510\%} = 231 \text{ nm} \dots 309 \text{ nm}$	18S 2-pin TO18 housing, h = 3.7 mm, 1 pin isolated, 1 pin grounded	GIGA with attenuator up to 7 W/cm ²
L 1.00 mm ²	C = UVC $s_{\max} = 275 \text{ nm}$ $\lambda_{510\%} = 225 \text{ nm} \dots 287 \text{ nm}$	5 2-pin TO5 housing, h = 4.3 mm for broadband; h = 6.7 mm for filtered UVA, UVB, UVC, UVI	DIFFUSOR with anorganic diffusor for cosine correction
F 1.82 mm ²	E = UV-Index spectral response according to ISO 17166	18ISO90S 3-pin TO18 housing, h = 3.7 mm, 2 pins isolated, 1 pin grounded	
XL 7.60 mm ²		5ISO90 3-pin TO5 housing, h = 4.2 mm, 2 pins isolated, 1 pin grounded	

SiCフォトダイオードとAlGaInフォトダイオードのUVランプ照射前後の分光感度比較



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