



Fig. 1. Device schematics and I-V curves of GaAsP/Ga₂O₃ and Si/Ga₂O₃ PN diodes.

Table 1. Summary of the diode characteristics of GaAsP/Ga₂O₃ and Si/Ga₂O₃ PN diodes.

	GaAsP/Ga ₂ O ₃ PN Diode	Si/Ga ₂ O ₃ PN Diode
On/off Ratio	10 ³	10 ⁷
Ideality Factor	1.35	1.13