



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076

Technical Specifications for
GaSb:Te 3" SSP-IIT-5-0

PR No. 1000013774 (Rfx No. 6100000377)

- GaSb:Te 3" SSP
- Material:GaSb
- Dopant:Te n-type
- Flats:EJ
- IF (mm): 11 ± 1 on (0-11)
- Bow (μm): ≤ 8
- Warp (μm): ≤ 12
- Growth:LEC
- Form:One Side Polished
- Diameter (mm): 76.2 ± 0.4
- OF (mm): 22 ± 2 on (0-1-1)
- Thickness (μm): 625 ± 25
- Orientation:(100) $\pm 0.1^\circ$
- TTV (μm): ≤ 8
- Carrier Concentration (cm^{-3}): $(1 - 9)\text{E}17$
- Mobility ($\text{cm}^2\text{v}^{-1}\text{s}^{-1}$):3500-2000
- Etch Pit Density-EPD (cm^{-2}): ≤ 1000
- Surface: FinishEpi Ready
- Grade:Prime

- Laser Mark: On back by major flat
- Packing: Individual tray, sealed in inert atmosphere
- Qty: 30