

**Fiber Array Block Unit**



**Description**

Fiber array block units (FABU's) utilize glass or silicon substrate and special fabrication technologies to achieve accurate fiber position and high reliability to meet different requirement. This enables packaging designers to match the thermal expansion coefficient of FABU with pigtail devices to achieve stress free performance and high reliability. The FABU end facet is polished accurately to required angle without fiber position effect in a large working temperature range.. These products meet or exceed Telcordia GR-1209-CORE and GR1221-CORE reliability qualification requirement.

**Feature**

- High precise fiber core-to-core accuracy
- Standard 1,2,4,8,16,32,48 fiber position
- Low Insertion loss and high reliability
- Angle polish and customer product available
- Different fiber connector (Optional)

**Specifications**

Number of Channel		1	4	8	16	32	48
Material used		Quartz, Silicon, Pyrex					
V-groove Pitch	μm	250/127(±0.5)					
Pitch Accuracy	μm	±0.5 (standard), ±0.2 (special requirement)					
Polishing Angle	°	0°( ±0.3°) or 8°( ±0.3°)					
Pigtail Type		250μm/900μm	4 Ribbon	8 Ribbon	2x8Ribbon	4x8Ribbon	6x8Ribbon
Channel Spacing	μm		250	250	127	127	127
Package(L*W*H)	mm	6.5*2.5*2.5	9.5*2.5*2.5	9.5*2.5*2.5	9.5*3.0*2.5	9.5*4.9*2.5	9.5*8*2.5
Operating Temp	°C	-40 ~ +85					
Storage Temp	°C	-40 ~ +85					

For detailed inquiry please contact our sales team at: [sales@HuihongFiber.com](mailto:sales@HuihongFiber.com).