

## VERTEC® VMF SERIES

### FAST AXIS COLLIMATING LENS (FAC) CARRIER TRAY

#### Product Datasheet

Gel-Pak's new 2" x 2" VMF series tray is designed to safely immobilize Fast Axis Collimating (FAC) lenses during shipping and handling with zero contact to the device active area. The unique carrier geometry leverages the holding force of Gel-Pak's proprietary silicone-free elastomer, contacting only the outer edges of the device.



#### VMF Carrier Features:

- <10% contact area, limited to the outer edges of the device
  - No contact with the middle regions of the FAC
- Ultra-low residue with stable holding force for over 2 years of storage
- FACs are placed along 6 channels, each 2.5 mm wide and 125  $\mu$ m deep, optimized for 4 mm-long FACs
  - Channels can be customized for different FAC sizes
  - Tunable holding force through optimization of elastomer tack and channel width
  - FAC can be stored upright or face down, still no contact on active area
- Suitable for automated pick-and-place as well as manual handling
  - Highly customizable contact geometry, not limited to channel-and-strip designs

PRELIMINARY PROPERTIES	
Polymer Material	Vertec Non-Silicone Elastomer
Tray	Conductive Polycarbonate
Usable Tray Area	6 channels, 2.5mm wide, 125um deep, 40mm long *
Surface "Tack"	L (Low), H (High)
Surface Resistance	>10 <sup>12</sup> ohms
Shipping/Storage Temperature	-10 to +50° C **
Shelf Life	2yr. **

\* These values are for reference purposes only and are not intended for use in preparing specifications.

\*\* Extended temperature ranges are possible; however, testing may be needed.

#### GEL-PAK

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