

Technical Characteristics

| | DaVinci 45G | | DaVinci 56 | DaVinci 112 |
|---------------------------------------|------------------|--------|------------------|-------------------|
| Mechanical & Environmental | | | | |
| Minimum Pitch | >0.7mm | 0.65mm | 0.8mm* | 0.8mm* |
| Compliance / Travel | 0.50mm | 0.40mm | 0.50mm | 0.8mm |
| Operating Temperature | -55° to +120°C | | -55° to +120°C | -55° to +120°C |
| Life Span | >200,000 cycles | | 200,000 cycles | 500,000 cycles |
| Electrical | | | | |
| Loop Inductance | 0.2 nH | | 0.22 nH | 0.95 nH |
| Mutual Capacitance | 0.15 pF | | 0.13 pF | 0.42 pF |
| Contact Resistance | 80 mΩ | | <80 mΩ | <80 mΩ |
| Current Carrying Capacity | 3.0 A | | 3.0 A | 3.7 A |
| Bandwidth (-1dB) | 45 GHz / 26 Gbps | | 67 GHz / 56 Gbps | 67 GHz / 112 Gbps |

IM Mechanical Performance

- Proprietary insulated IM Material exhibits least deflection as illustrated by below Max Deflection rates.

| Material Type | IM Material | Peak Ceramic | MDS-100 |
|--------------------------|-------------|--------------|---------|
| DaVinci 45G 1745 pin BGA | 0.009mm | 0.085mm | 0.046mm |
| DaVinci 56 4096 pin BGA | 0.050mm | 0.210mm | 0.168mm |
| DaVinci 112 4096 pin BGA | 0.050mm | 0.210mm | 0.168mm |