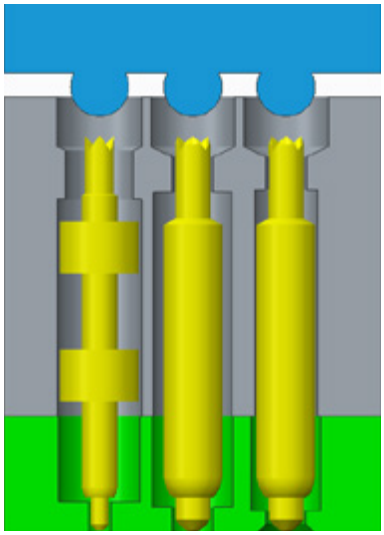
Technical Characteristics

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

* DaVinci 56 for 0.65 and 0.7 mm pitches under development

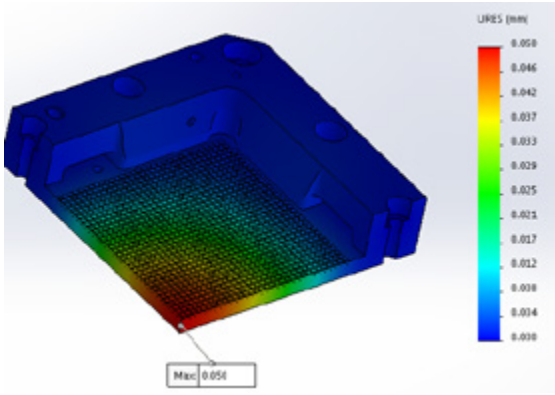


S P G

IM Mechanical Performance

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

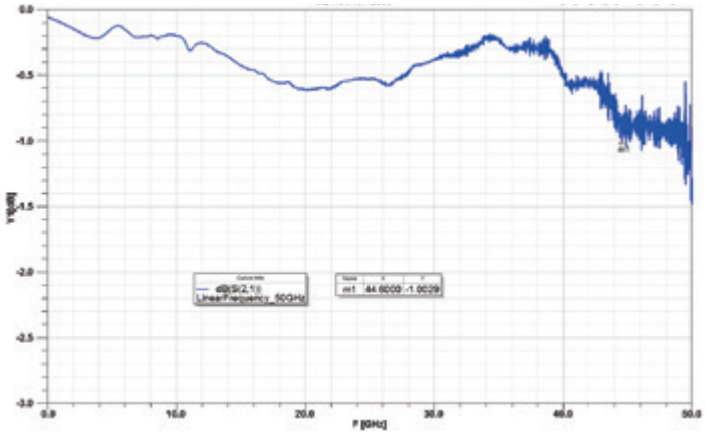
Material Type	IM Material	Peak Ceramic	MDS-100
DaVinci 45G 1745 pin BGA	0.009mm	0.085mm	0.046mm
DaVinci 56 4096 pin BGA	0.050mm	0.210mm	0.168mm



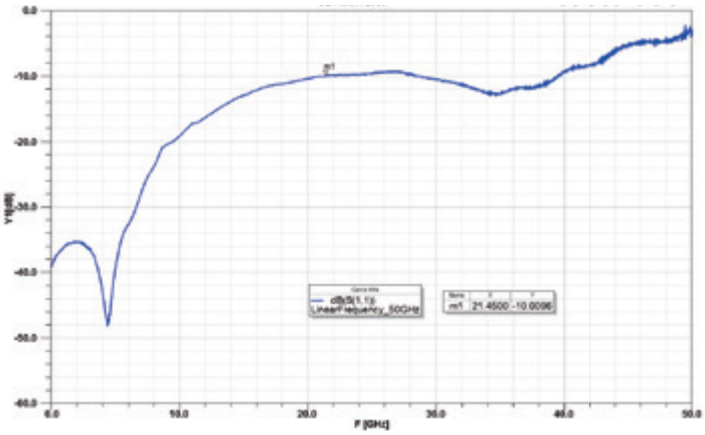
Bandwidth & Frequency Measured Data

DaVinci 45G Single Ended 0.8mm pitch probes - 8A Pattern (3x3 Array)

Insertion Loss



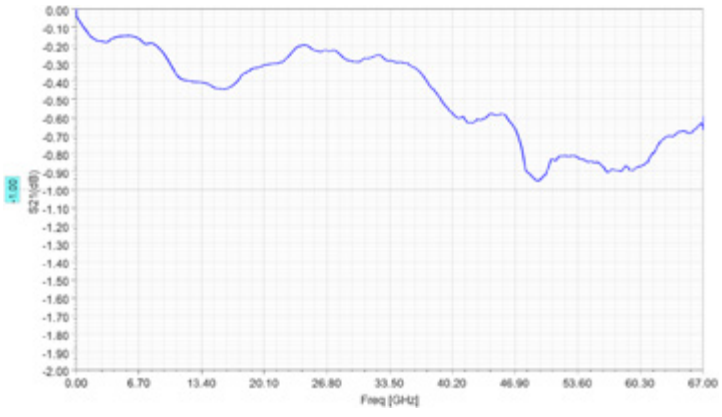
Return Loss



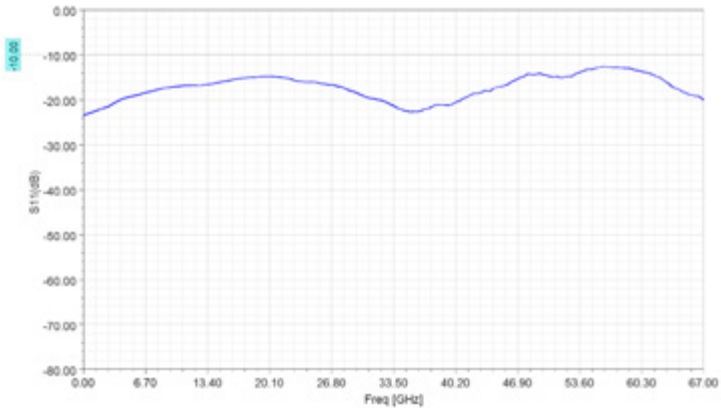
- Impedance 43 Ohm
- Linear Frequency 50 GHz

DaVinci 56 Single Ended 0.8mm pitch probes - 8A Pattern (3x3 Array)

Insertion Loss



Return Loss



- Impedance 43 Ohm
- Linear Frequency 67 GHz