

High Speed & Microwave Interconnect Solutions

Excellent Solutions up to 110 GHz & 145 GHz

224/480 Gbps(PAM 4)



High Speed Multicoax Cable

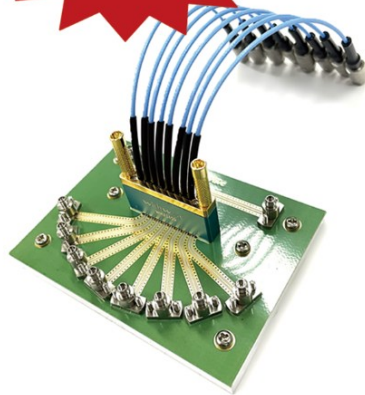
· WMX Series



480 Gbps (PAM4)

Vertical Mount

- DC to 20, 40, 50, 67, 110 & **145 GHz**
- Socket & Direct Contact type (Solderless)
- 1x8, 2x8 Channel
- Pitch : 2.54 mm & 4.0 mm

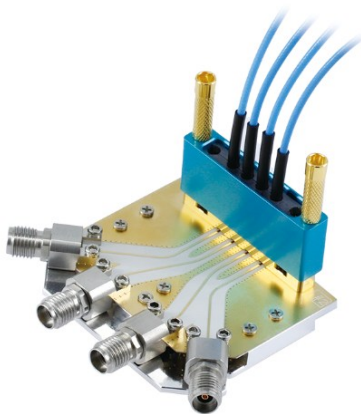


224 Gbps (PAM4)

Edge Mount

- DC to 20, 40, 50 & **67 GHz**
- Board Edge Socket Contact type (Solderless)
- 1x8 Channel
- Pitch : 2.54 mm

· SMPM & SMPS Series



SMPS (67 GHz)

Vertical Mount

- DC to 40 & **67 GHz**
- SMPM & SMPS Connectors (Solderless)
- 1x4, 1x8 Channel
- Pitch : 2.54 & 4.0 mm



Edge Mount

- DC to **40 GHz**
- Solderless SMPM Connector
- 1x4 Channel
- Pitch : 4.0 mm

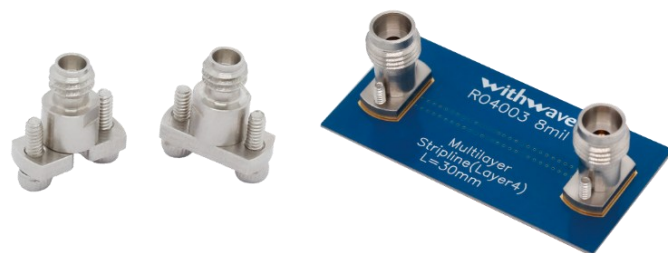
Test & Measurement

· Solderless Board Mount Connectors

480 Gbps(PAM 4)

Vertical Mount

- DC to 40, 50, 67, 110 & **145 GHz**
- 2.92 mm, 2.4 mm, 1.85 mm, 1.0 mm & 0.8 mm
- Easy Installation & No Soldering required



Edge Mount

- DC to 40, 50, 67, 110 & **145 GHz**
- 2.92 mm, 2.4 mm, 1.85 mm, 1.0 mm & 0.8 mm
- Easy Installation & No Soldering required



· Precision Adapters

0.8 mm to 1.0 mm

110 GHz



AD23M00MS1
(M to M)



AD23M00FS1
(M to F)



AD23F00MS1
(F to M)



AD23F00FS1
(F to F)

0.8 mm to 0.8 mm

145 GHz



AD23M23MS1
(M to M)



AD23F23MS1
(F to M)



AD23F23FS1
(F to F)

· Low loss Microwave Cable

1.0 mm

110 GHz



W601 (Male)



W601 (Female)



WT110 (Male)



WT110 (Female)

0.8 mm

145 GHz



W602 (Male)



W602 (Female)



WT145 (Male)



WT145 (Female)

Product Lineup

Microwave Connectors

- End Launch Type : SMA, 2.92 mm, 2.4 mm, 1.85 mm, 1.0 mm & 0.8 mm (145 GHz)
- Vertical Launch Type : SMA, 2.92 mm, 2.4 mm, 1.85 mm, 1.0 mm & 0.8 mm (145 GHz)
- Panel Mount Type : SMA, 2.92 mm, 2.4 mm
- SMT Type : SMP, SMPM, SMPS (67 GHz)
- Non-magnetic Connectors : SMA, 2.92 mm, 2.4 mm



Microwave Adapters

- In Series & Between Series
- Straight Type : SMA, N, 2.92 mm, 3.5 mm, 2.4 mm, 1.85 mm, 1.35 mm, 1.0 mm, 0.8 mm (145 GHz)
- Right Angle Type : 2.92 mm, 2.4 mm, 1.85 mm
- Low PIM type : DIN, 4.3-10, N- & SMA



Microwave Cable Assemblies

- Ultra Low Loss : SMA, 2.92 mm, 3.5 mm, 2.4 mm
- Flexible & Phase Stable : SMA, N, 2.92 mm, 2.4 mm, 1.85 mm, 1.0 mm, 0.8 mm (145 GHz)
- Semi-Rigid & Semi-Flexible : SMA, N, 2.92 mm, 2.4 mm
- Push on : SMP/SMPM/SMPS to 2.92 mm & 2.4 mm



RF Switches/ Cryogenic Modules

- Absorptive Switch Modules (MMIC)
 - SP4T (10, 18, 44 GHz) · SP8T (8 GHz) · SP10T (18, 44 GHz) · SP12T(44 GHz)
- Reflective Switch Modules (MEMS)
 - SP4T (18 GHz) · SP10T (18 GHz) · 4-Port Matrix Switch (20 GHz)
- Cryogenic LNA - InP HEMP type (4 to 8 GHz, NF : 0.04 to 0.05 dB)
- Cryogenic IR Filters - Low cut-off (500 MHz) - High cut-off (10 GHz)



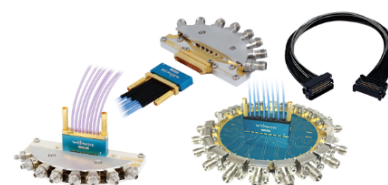
High Speed Connectors

- High Speed Board to Board Connectors (0.9 & 1.0 mm pitch) : 56 Gbps NRZ, 112 Gbps PAM-4
- High Speed Micro-Miniature Board to Board Connector: Hermaphroditic Type (50 GHz)
- QSFP28 Connector (0.8 mm pitch) : 28 Gbps



High Speed & Interconnect Solution

- High Speed Multicoax Cable (WMX Series)
 - Vertical & Edge Mount type · 20, 40, 50, 67, 110 & 145 GHz
- High Speed Multicoax Cable (SMPM & SMPS Series)
 - Vertical & Edge Mount type · 40 & 67 GHz
- High Speed Cable (56 Gbps NRZ)
 - Right Angle & Vertical type (24 differential Pair, 92 Ohm)



Calibration Kits & Test Probes

- Mechanical Calibration Kits : N-type (8 GHz), 3.5 mm(9 GHz)
- Automatic Calibration Modules : N-type (18 GHz), 3.5 mm(26.5 GHz) in 2-& 4-Ports
- T-Probe (Pogo Type) : GSG, GS type (20 & 40 GHz)
- Hyprobe test socket : 0.175~0.35mm pitch (40 Gbps)



Absorber Sheets

- LS Series (< 6 GHz) ▪ MD Series (< 24 GHz) ▪ HS Series (< 40 GHz)
- MT Series (< 18 GHz) ▪ HT Series (< 40 GHz) ▪ MS Series (< 18 GHz)
- Flexible Form Type
- LF Series (<18 GHz), HF Series (>18 GHz)

