



High-Density 40 GHz +  
Multi-Coax Cable Termination

# TERMINATE-R™



## Space Saving

The Terminate-R™ 16 channel assembly is small enough to occupy a tiny footprint on your PCB, saving you precious real estate and getting as close as possible to the DUT with your cables.

## Compression Mount

As a compression mount solution, Terminate-R™ allows Engineers to easily remove it from the board, move it to another site, and use planar probes to de-embed the losses in their reference design PCB.

## Signal Integrity

Terminate-R™ provides the lowest loss access to signal path at the highest densities. Measured data proves a <-2dB insertion loss to 40 GHz, a return loss of <-20dB through 20 GHz and ≤ -15dB through 40 GHz.

## Electrical

Range	DC up to 40 GHz +
Return Loss	-20 dB through 20 GHz
Insertion Loss	-2 dB through 40 GHz
Crosstalk or Coupling Interference	-50 dB through 40 GHz
Impedance	50 Ω +/- 2.5
Phase Matching	+/- 2 ps

Microstrip and Stripline Launch Options Available

## Mechanical

Pitch	4mm and 2.54mm
Form Factor	Compression Mounts to Board
Cabling	.047" diameter Teledyne Storm Cables
Interface (Cable end to Equipment)	Female or Male SMK (2.92mm) or V (1.85mm)
Insertion Life	1,000

**WWW.TERMINATE-R.COM**

[info@ardentconcepts.com](mailto:info@ardentconcepts.com)

(603) 474-1760