

## Samtec Cable Bandwidth Performance Selector

### Single-Ended - RF Cable

### Differential Pair - I/O Cable

Series	Pitch	Stack Height	7dB Insertion Loss Point	Series	Pitch	Stack Height	7dB Insertion Loss Point			
GRF1-C	5mm	152mm	5.31 GHz	EPLSP		1000mm	3.90 GHz			
		229mm	5.31 GHz			2000mm	2.70 GHz			
		305mm	5.10 GHz			3000mm	1.96 GHz			
		500mm	4.59 GHz			4000mm	1.08 GHz			
		750mm	3.93 GHz			5000mm	820 MHz			
IJ5C		100mm	9.50 GHz		HDLSP		1000mm	6.44 GHz		
		300mm	8.50 GHz				2000mm	2.56 GHz		
		1000mm	3.50 GHz		HPDPI		152mm	7.20 GHz		
IJ5H	305mm	10.0 GHz	229mm				6.38 GHz			
			305mm				6.22 GHz			
			500mm				6.20 GHz			
			750mm				4.59 GHz			
			1000mm				5.59 GHz			
HPLSP									2540mm	1.64 GHz
									1000mm	5.84 GHz
				2000mm					3.11 GHz	
HPSTP								3000mm	1.65 GHz	
					5000mm	690 MHz				
					1000mm	4.56 GHz				
					2000mm	2.82 GHz				
VPSTP						3000mm	1.62 GHz			
						5000mm	990 MHz			
						1000mm	1.82 GHz			

The information contained in this chart does not represent the potential maximum performance of the interconnect system. If your application appears to exceed the connector's rating from the chart below, the connector solution may still work. Please contact our Signal Integrity Group at [sig@samtec.com](mailto:sig@samtec.com) for additional support.

The data reflects the point where an insertion loss of 7dB occurs within the cable assembly. The data is based from a test circuit with a characteristic impedance and a wiring pattern of G-S-G (where G = return; S = active differential pair) within the pin field of the connector. Please note that performance may not be linear to slack height.

For more information on any of the products included in this chart, click on the series name in the Key to get complete testing information, visit our website at [www.samtec.com](http://www.samtec.com), or contact our Signal Integrity Group at [sig@samtec.com](mailto:sig@samtec.com). Click here for more information on our [High Speed Characterization Report Test Procedures](#).