

Series: QRM8/QRF8 Q Rate® Slim Body Ground Plane Connector

Description: Board-to-Board, 10mm (.394”) Stack Height, 0.8mm (.0315”) Pitch

Frequency Domain Data Summary

Table 1 - Single-Ended Connector System Performance				
Test Parameter	Configuration	Driver	Receiver	
Insertion Loss	GSG	QRM8_37	QRF8_37	3dB @ 16.3 GHz
Return Loss	GSG	QRM8_37	QRM8_37	>10dB to 5.3 GHz
Near-End Crosstalk	GAQG	QRM8_35	QRM8_37	< -20dB to 0.7 GHz
	GAGQG	QRM8_37	QRM8_41	< -20dB to 14.6 GHz
	Xrow, GAG to GQG	QRM8_37	QRM8_38	< -20dB to 15.8 GHz
Far-End Crosstalk	GAQG	QRM8_35	QRF8_37	< -20dB to 10.2 GHz
	GAGQG	QRM8_37	QRF8_41	< -20dB to 12.9 GHz
	Xrow, GAG to GQG	QRM8_37	QRF8_38	< -20dB to 15.7 GHz

Table 2 - Differential Connector System Performance				
Test Parameter	Configuration	Driver	Receiver	
Insertion Loss	GSSG	QRM8_35,37	QRF8_35,37	3dB @ 14.6 GHz
Return Loss	GSSG	QRM8_35,37	QRM8_35,37	>10dB to 5.4 GHz
Near-End Crosstalk	GAAQQG	QRM8_33,35	QRM8_37,39	< -20dB to 9.5 GHz
	GAAGQQG	QRM8_35,37	QRM8_41,43	< -20dB to 20 GHz
	Xrow, GAAG to GQQG	QRM8_35,37	QRM8_36,38	< -20dB to 20 GHz
Far-End Crosstalk	GAAQQG	QRM8_33,35	QRF8_37,39	< -20dB to 10.1 GHz
	GAAGQQG	QRM8_35,37	QRF8_41,43	< -20dB to 20 GHz
	Xrow, GAAG to GQQG	QRM8_35,37	QRF8_36,38	< -20dB to 20 GHz

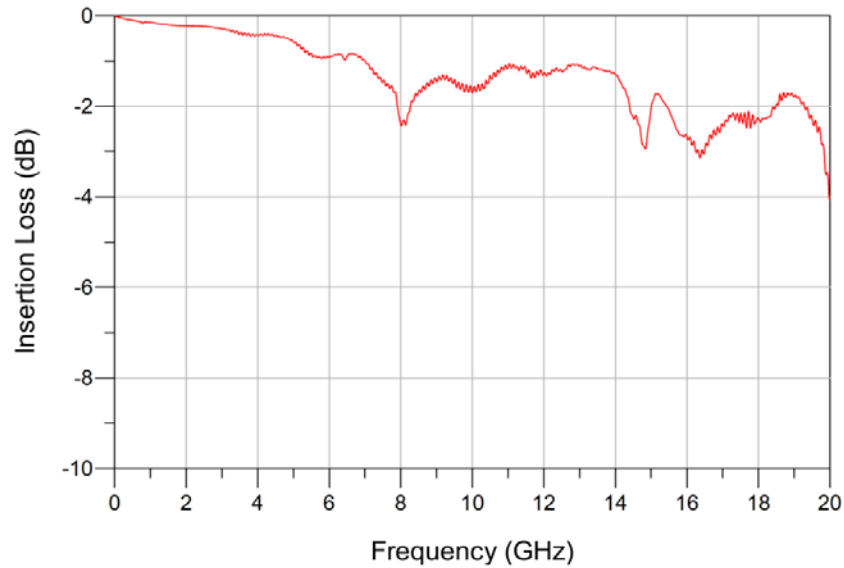
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Bandwidth Chart – Single-Ended & Differential Insertion Loss

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Single-Ended Application - Insertion Loss



Differential Application - Insertion Loss

