

Series: BTH/BSH Right Angle

Description: Basic Blade & Beam Terminal and Socket, 0.5mm (.0197") Pitch

Frequency Domain Data Summary

Table 1 - Single-Ended Connector System Performance Case 1 = Short Row; Case 2 = Long Row					
Case	Test Parameter	Configuration	Driver	Receiver	
1	Insertion Loss	GSG	BTH_RA_102	BSH_RA_102	3dB@ 6.0 GHz
	Return Loss	GSG	BTH_RA_102	BTH_RA_102	>10dB to 5.1 GHz
	Near-End Crosstalk	GAQG	BTH_RA_28	BTH_RA_30	<-20dB to 0.4 GHz
		GAGQG	BTH_RA_98	BTH_RA_102	<-20dB to 9.2 GHz
	Far-End Crosstalk	GAQG	BTH_RA_28	BSH_RA_30	<-20dB to 6.1 GHz
		GAGQG	BTH_RA_98	BSH_RA_102	<-20dB to 5.9 GHz
2	Insertion Loss	GSG	BTH_RA_101	BSH_RA_101	3dB@ 3.7 GHz
	Return Loss	GSG	BTH_RA_101	BTH_RA_101	>10dB to 1.0 GHz
	Near-End Crosstalk	GAQG	BTH_RA_27	BTH_RA_29	<-20dB to 0.2 GHz
		GAGQG	BTH_RA_97	BTH_RA_101	<-20dB to 9.7 GHz
		Xrow, GAG to GQG	BTH_RA_101	BTH_RA_102	<-20dB to 20.0 GHz
	Far-End Crosstalk	GAQG	BTH_RA_27	BSH_RA_29	<-20dB to 3.0 GHz
		GAGQG	BTH_RA_97	BSH_RA_101	<-20dB to 11.9 GHz
		Xrow, GAG to GQG	BTH_RA_101	BSH_RA_102	<-20dB to 20.0 GHz

Series: BTH/BSH Right Angle

Description: Basic Blade & Beam Terminal and Socket, 0.5mm (.0197") Pitch

Table 2 - Differential Connector System Performance
Case 1 = Short Row; Case 2 = Long Row

Case	Test Parameter	Configuration	Driver	Receiver	
1	Insertion Loss	GSSG	BTH_RA_64,66	BSH_RA_64,66	3dB@ 6.1 GHz
	Return Loss	GSSG	BTH_RA_64,66	BTH_RA_64,66	>10dB to 1.0GHz
	Near-End Crosstalk	GAAQQG	BTH_RA_58,60	BTH_RA_62,64	<-20dB to 19.2 GHz
		GAAGQQG	BTH_RA_58,60	BTH_RA_64,66	<-20dB to 20.0 GHz
	Far-End Crosstalk	GAAQQG	BTH_RA_58,60	BSH_RA_62,64	<-20dB to 10.9 GHz
		GAAGQQG	BTH_RA_58,60	BSH_RA_64,66	<-20dB to 20.0 GHz
2	Insertion Loss	GSSG	BTH_RA_63,65	BSH_RA_63,65	3dB@ 3.4 GHz
	Return Loss	GSSG	BTH_RA_63,65	BTH_RA_63,65	>10dB to 0.4 GHz
	Near-End Crosstalk	GAAQQG	BTH_RA_57,59	BTH_RA_61,63	<-20dB to 11.4 GHz
		GAAGQQG	BTH_RA_57,59	BTH_RA_63,65	<-20dB to 18.6 GHz
		Xrow, GAAG to GQQG	BTH_RA_27,29	BTH_RA_28,30	<-20dB to 20.0 GHz
	Far-End Crosstalk	GAAQQG	BTH_RA_57,59	BSH_RA_61,63	<-20dB to 5.8 GHz
		GAAGQQG	BTH_RA_57,59	BSH_RA_63,65	<-20dB to 20.0 GHz
		Xrow, GAAG to GQQG	BTH_RA_27,29	BSH_RA_28,30	<-20dB to 20.0 GHz

Series: BTH/BSH Right Angle

Description: Basic Blade & Beam Terminal and Socket, 0.5mm (.0197") Pitch

Bandwidth Chart – Single-Ended & Differential Insertion Loss

BTH_RA/BSH_RA Connector Series

