



Balun Specification PN:530900/530910 rev1.0

Introduction

Wavecrest offers 3 balun solutions which differ based on the intended application. Our current Balun offerings are targeted at either the Fiber Channel/Gigabit Ethernet market, or, the 50Ω terminated SMA based market. The basic difference between the three solution is the termination on the input and the connector on the input. The three balun options are as follows: Dual Fibre Channel Balun – DB9 Male (DFCB-M), Dual Fibre Channel Balun – DB9 Female (DFCB-F) and a 50Ω to 50Ω Balun.

Please note, all specifications are subject to change. Please see your local Wavecrest representative for the latest information.

50Ω to 50Ω Balun Specifications

Bandwidth:	200kHz to 3GHz
Insertion Loss (Nominal):	8dB
Propagation Delay (Nominal):	.6ns
Maximum Input Voltage(50ns Duration):	5000V
Common Mode Rejection Ratio:	28dB
Port Impedance (all three ports):	50Ω





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Dual Fibre Channel Balun – Male (DBFC-M) Specifications

Bandwidth:	10kHz to 2GHz
Insertion Loss (Nominal):	6.5dB
Propagation Delay (Nominal):	.98ns
Maximum Input Voltage(50ns Duration):	1000V
Common Mode Rejection Ratio:	TBD
Port Impedance (DB9 port):	150Ω
Port Impedance (SMA port):	50Ω



Dual Fibre Channel Balun – Female (DBFC-F) Specifications

Bandwidth:	10kHz to 2GHz
Insertion Loss (Nominal):	6.5dB
Propagation Delay (Nominal):	.98ns
Maximum Input Voltage(50ns Duration):	1000V
Common Mode Rejection Ratio:	TBD
Port Impedance (DB9 port):	150Ω
Port Impedance (SMA port):	50Ω





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DB9 FIBRE CHANNEL BALUN



MOLEX DB9 CABLE

