

# PASSIVE CABLE EQUALISER

## FE1118

Signals are attenuated whenever they are transmitted through coaxial cable. The main problem is attenuation which is directly related to the frequency and length and type of cable used. Amplitude responses which started out flat can be distorted to a point outside specification. Faraday passive cable equalisers will correct for the distortion producing a nominally flat amplitude response with minimum additional insertion loss. They are manufactured in rugged die-cast boxes with choice of convenient connector. A typical application is to correct for cabling in a cross site link.

The FE1118 specified is designed for 70 MHz I.F. links with LMR 200 cable.

Order Code	FE1118
Operating Frequency	50 MHz to 90 MHz
Insertion Loss @ 90 MHz	< 2 dB
Loss @ 50 MHz wrt 90 MHz	4.8 dB
Linearity	0.1 dB pk-pk from straight line
Input/Output Impedance	75 ohms
Input Connector	BNC (f)
Output Connector	N-Type (m)
Return loss (50 MHz – 90 MHz)	20 dB min
Aqueous Washable	No
Package	DR00135A

A custom design service is available for other cable types, frequency ranges and connector configurations. Please contact Faraday with your particular cable or package requirements.

# PACKAGE DETAIL

