

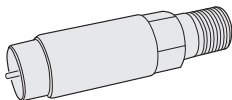
TC-200A

CHANNELPLUS

Tilt Compensator

Installation Instructions

Includes Female Barrel Connector



Linear

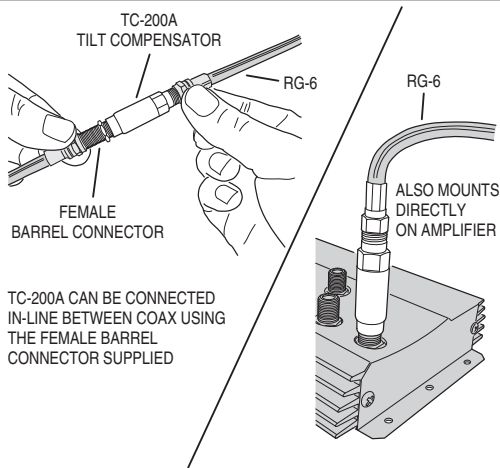
(760) 438-7000

USA & Canada (800) 421-1587 & (800) 392-0123

Toll Free FAX (800) 468-1340

www.linearcorp.com

3. CONNECTING THE TC-200A



TC-200A CAN BE CONNECTED IN-LINE BETWEEN COAX USING THE FEMALE BARREL CONNECTOR SUPPLIED

1. PRODUCT DESCRIPTION

Linear's ChannelPlus brand Model TC-200A Tilt Compensator is an in-line filter designed to create an attenuation loss equal and opposite to cable loss.

Coaxial cable attenuates high frequencies greater than low frequencies. This problem is most severe when cascading amplifiers one after another. The signal differences are attenuated to a point where the high frequency signals are so small compared to the low frequency signals that the high frequency signals can no longer be received. The TC-200A Tilt Compensator provides a balanced signal level by compensating for 200 feet of coax cable loss and allowing all signal levels on all channels to be of equal amplitude at distant locations. Therefore, the picture quality on the higher channels will be maintained.

The TC-200A is designed to work with RG-6 coax cable carrying signals in the 5 MHz to 1 GHz range. When an RG-6 cable run reaches 200 feet, install a TC-200A Tilt Compensator whenever an amplifier stage follows. A female barrel connector is included with the TC-200A for in-line applications. The TC-200A is non-directional, the input can be connected to either end.

4. SPECIFICATIONS

TC-200A

Frequency Range: 5 MHz - 1 GHz

Equalizer Values: 12 dB

Insertion Loss: 1.25 dB max at 1 GHz

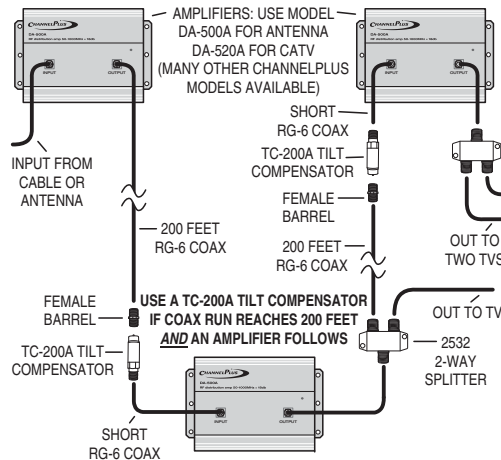
Tilt Loss: 12 dB \pm 1 dB

Maximum Input: 60 dBmv

Connectors: Type "F" Male to Female

Impedance: 75 Ω

2. EXAMPLE APPLICATION



LIMITED WARRANTY

Linear LLC warrants this ChannelPlus product to be free from defects in material and workmanship for 5 years. The time period will be measured using the date code labeled on the product. Linear LLC is not responsible for damage to the product resulting from the buyer's improper handling, stocking or warehousing of the product. Any implied warranty arising from the sale of the product including implied warranties of merchantability and fitness for purpose are limited. Linear LLC shall not be responsible for any losses, damages or expenses, whether direct, consequential, or incidental arising from the use or the inability to use the product. Some states and countries do not allow limitations or how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above exclusions may not apply. The Linear LLC warranty gives specific legal rights in addition to other rights, which may exist and vary from state to state and country to country.

The warranty is limited to repair or replacement of products returned, freight prepaid, to Linear LLC, there is NO PROVISION FOR LABOR COST OR OTHER REIMBURSEMENTS OF ANY KIND.

1. Failures due to product abuse, such as negligence, improper use, and electrical surge including damage from lightning, water damage or other damage due to natural disasters are not covered by the warranty. The most common form of product abuse is surge damage caused by lightning.

2. The warranty shall also be voided by any tampering with the date code, labels or other markings on the product.

3. Products that are damaged in transit to Linear LLC due to improper packaging or by the carrier (shipping company) will not be covered under the warranty. If the product was damaged or lost by the carrier, it is the sender's responsibility to create a claim against the carrier.

4. The user is responsible for all labor costs associated with removing, reinstalling and returning the product to Linear LLC.

Linear LLC, at its option, will repair or replace the defective product. Replacements will be made from B-Stock, if an exact replacement is not available, Linear LLC, at its option, will select the nearest equivalent product. The user is responsible for freight charges to Linear LLC. Linear LLC will return warranted repaired or replacements by UPS Ground or an equivalent service. A customer may pay the additional costs for second-day or next-day service.

All products returned for warranty service require a Return Product Authorization Number (RPA#). Contact Linear Technical Services at 1-800-421-1587 for an RPA# and other important details.

Copyright © 2007 Linear LLC

227997 A