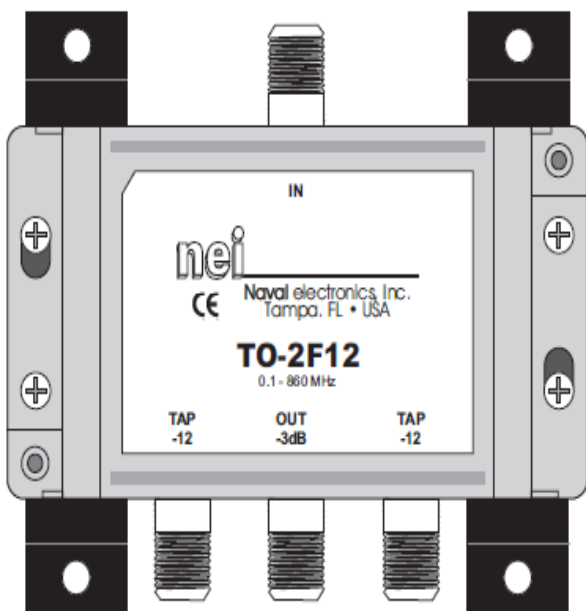
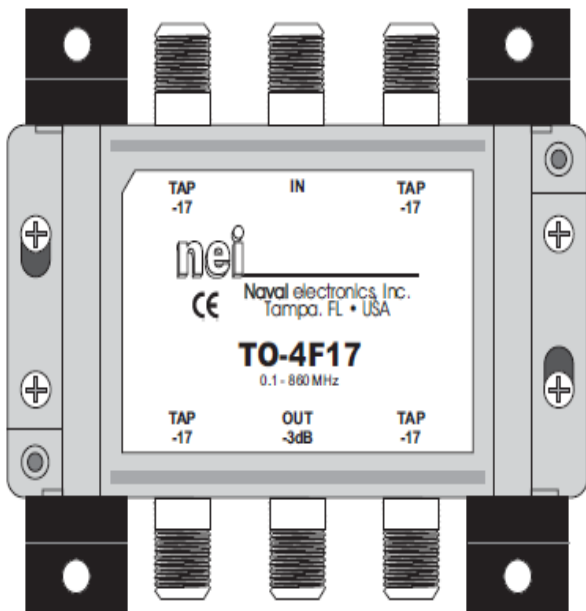


TO-4F and TO-2F Directional Couplers



The new series of directional couplers or "tap offs" are designed for Marine and MATV applications where the complete Radio and TV spectrum is passed throughout the vessel. They feature a robust insulated plastic mounting base to keep the distribution system isolated from ship's ground and thus avoid problems associated with ground loops. The standoff base also allows more room for making cable connections. *Unused outlets must be terminated in 75ohm (TR-75F).*

Several values of tap isolation are available from 21 to 8 dB for use along branch lines as signal values fall and to help provide a balance of signal levels throughout the network. All "F" connectors are an integral part of the cast casings and allow the connecting cables to be wrench "torqued" without causing damage to the internal circuitry.

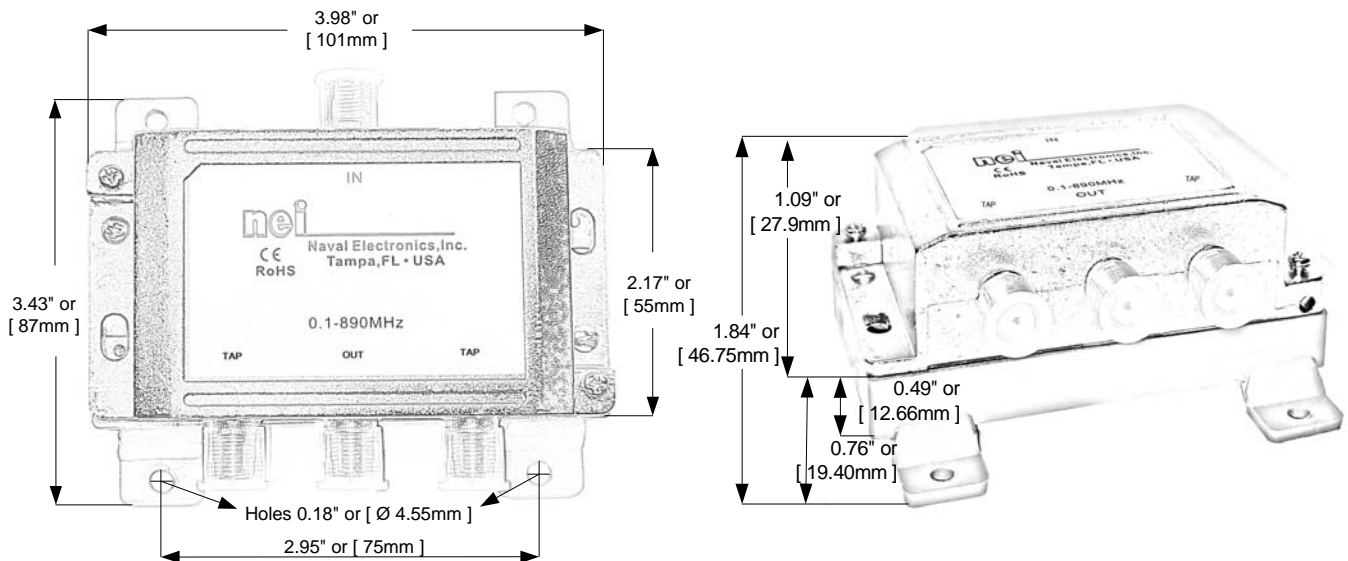
Specifications

TO-4F and TO-2F Directional Couplers

- Frequency Range: 100 kHz - 1000 MHz
- Tap Isolation: 8 - 21 dB
- Directional Isolation: >17 dB
- Port to Port Isolation: >36 dB
- Return Loss: >20 dB
- Temp Range: -40+60 C
- Screening Factor: >75 dB
- Impedance: 75 ohm
- Through Loss:
 - TO-2F8 -3.8dB
 - TO-2F12 -2.8dB
 - TO-2F17 -1.2dB
 - TO-2F21 -1.2dB
 - TO-4F10 -4.5dB
 - TO-4F12 -4.0dB
 - TO-4F17 -2.8dB
 - TO-4F21 -2.8dB

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TO2F and TO4F Tap Off Measurements Diagram



Part Description:

Tap Off: TO-2F-8	Part No. 401.557 (Refer to 201.557), 2 way Tap Off 8dB
TO-2F-12	Part No. 401.554 (Refer to 201.554), 2 way Tap Off 12dB
TO-2F-17	Part No. 401.551 (Refer to 201.551), 2 way Tap Off 17dB
TO-2F-21	Part No. 401.558 (Refer to 201.558), 2 way Tap Off 21dB
TO-4F-10	Part No. 401.559 (Refer to 201.559), 4 way Tap Off 10dB
TO-4F-12	Part No. 401.552 (Refer to 201.552), 4 way Tap Off 12dB
TO-4F-17	Part No. 401.550 (Refer to 201.550), 4 way Tap Off 17dB
TO-4F-21	Part No. 401.553 (Refer to 201.553), 4 way Tap Off 21dB

- Digital-analogue Tap Off for marine use 100 kHz - 1000 MHz
- Impedance: 75 ohms
- Connectors: "F" Female
- Linear frequency response up to 1000 MHz
- Excellent port isolation
- Nickel plated HQ housing-
- Plastic base: Tap Off will include plastic base 12.66 mm, to avoid grounding to hull, to make it double isolated



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