



AVX-T SERIES BIAS TEEES

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|--|---------------------------------|--------------|---------------------------------|-------------|--------------------------|--------------------------|
| Model: | AVX-T | AVX-TB | AVX-TB1 | AVX-TC | AVX-TD | AVX-TG |
| Pulse width range: | 0.2 - 50 ns | 0.6 - 500 ns | 0.6 - 500 ns | 5 ns - 5 us | 40ns - 100us | 15ns - 10us |
| Rise time: | ≤ 60 ps | ≤ 150 ps | ≤ 150 ps | ≤ 1 ns | ≤ 5 ns | ≤ 5 ns |
| Maximum pulse amplitude: | 200 V | 50 V | 50 V | 50 V | 100 V | 500 V |
| Maximum DC voltage ¹ : | 200 V | 50 V | 50 V | 50 V | 100 V | 50 V |
| Maximum DC bias current ² : | 0.5 A | 0.25 A | 1 A | 0.3 A | 0.3 A | 0.2 A |
| Maximum pulse PRF: | 1 GHz | 500 MHz | 500 MHz | 20 MHz | 1 MHz | 10 kHz |
| Maximum pulse duty cycle: | 1% | | | | | 0.1% |
| Characteristic impedance: | 50 Ω | | | | | |
| Insertion loss: | ≤ 1 dB | | | | | |
| Maximum output power: | 10 Watts average | | | | | |
| RF connectors: | SMA female ³ | | | | BNC female | |
| Bias connectors: | solder terminal | | | | | |
| Dimensions mm: (H×W×D) inches: | 38 × 28 × 23 1.5 × 1.1 × 0.9 | | 36 × 28 × 58 1.4 × 1.1 × 2.3 | | 43×66×109 1.7×2.6×4.3 | 43×76×152 1.7×3.0×6.0 |
| Chassis material: | Cast aluminum, blue enamel | | | | | |

- 1) This is the breakdown voltage of the capacitors. When operating into purely resistive 50 Ohm loads, the DC bias current maximum specification will limit the maximum DC voltage to a lower level.
- 2) This is the current rating of the inductor.
- 3) Add the -APDT3 option to include two SMA-male to BNC-female adapters (Amphenol 242102 or similar).

USAGE

