

OTB SERIES 5-1004 MHZ BROADBAND DIRECTIONAL TAPS - PREMIUM

PRODUCT FEATURES

- 5-1004Mhz pass band
- 12 Amp current capacity with 90VAC, oversized power passive chokes.
- ADC12 aluminum alloy acrylic painted housings provide for excellent environmental protection.
- Tongue & groove w/ stainless steel chromatic RFI and weather gaskets providing -110dB effective shielding.
- Nickel-plated neoprene sealed brass "F" ports.
- Surge resistive blocking capacitors on all "F" ports
- 360 ° Center conductor seizing inserts in all "F" ports.
- Continual powering from input to output. Provides uninterrupted powering and RF continuity with the faceplate removed.
- Compliant to all known SCTE standards in effect.
- Plastic PCB cover protects critical components.



OTB-2



OTB-4



OTB-8

DESIGN SPECIFICATIONS

OTB-2 Series – 2 outputs

| Value (dB) | 4T | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 |
|-------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|
| Insertion Loss (dB) | | | | | | | | | |
| 5-50Mhz | - | 3.3 | 1.3 | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 |
| 50-300 | - | 3.5 | 1.5 | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 |
| 301-550 | - | 4.0 | 1.5 | 1.0 | 1.0 | 0.6 | 0.6 | 0.6 | 0.6 |
| 551-750 | - | 4.4 | 1.8 | 1.2 | 1.1 | 0.8 | 0.8 | 0.8 | 0.8 |
| 751-1004 | - | 4.5 | 2.1 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 | 1.0 |
| Return Loss (dB) | | | | | | | | | |
| 5-50Mhz | 25 | 29 | 24 | 27 | 27 | 27 | 28 | 28 | 28 |
| 51-300 | 27 | 27 | 27 | 22 | 20 | 21 | 22 | 22 | 22 |
| 301-550 | 29 | 29 | 29 | 22 | 20 | 21 | 22 | 21 | 21 |
| 551-750 | 23 | 27 | 27 | 23 | 20 | 20 | 20 | 21 | 21 |
| 751-1004 | 21 | 23 | 23 | 24 | 21 | 23 | 27 | 21 | 21 |
| Isolation Tap-Tap (dB) | | | | | | | | | |
| 5-50Mhz | 30 | 28 | 32 | 26 | 33 | 35 | 37 | 37 | 34 |
| 50-300 | 31 | 27 | 27 | 27 | 27 | 26 | 26 | 28 | 28 |
| 301-550 | 30 | 27 | 27 | 27 | 27 | 26 | 26 | 29 | 28 |
| 551-750 | 30 | 23 | 27 | 25 | 25 | 24 | 23 | 26 | 26 |
| 751-1004 | 29 | 22 | 27 | 24 | 24 | 23 | 25 | 25 | 26 |

Hum Modulation

5-1004Mhz

90vac @ 12A – 65dBc

OTB-4 Series – 4 outputs

| Value (dB) | 4T | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 |
|-------------------------------|----|----|-----|-----|-----|-----|-----|-----|-----|
| Insertion Loss (dB) | | | | | | | | | |
| 5-50 | - | - | 3.4 | 1.4 | 0.9 | 0.8 | 0.5 | 0.4 | 0.4 |
| 51-300 | - | - | 3.4 | 1.4 | 0.9 | 0.8 | 0.5 | 0.4 | 0.4 |
| 301-550 | - | - | 3.7 | 1.7 | 1.0 | 0.9 | 0.6 | 0.6 | 0.6 |
| 551-750 | - | - | 4.0 | 1.9 | 1.1 | 1.0 | 0.7 | 0.7 | 0.7 |
| 751-1004 | - | - | 4.1 | 2.4 | 1.5 | 1.2 | 0.9 | 0.9 | 0.9 |
| Return Loss (dB) | | | | | | | | | |
| 5-50Mhz | - | 31 | 29 | 23 | 26 | 23 | 25 | 24 | 23 |
| 51-300 | - | 22 | 28 | 28 | 27 | 23 | 22 | 21 | 23 |
| 301-550 | - | 23 | 28 | 28 | 27 | 23 | 22 | 20 | 22 |
| 551-750 | - | 20 | 22 | 22 | 27 | 26 | 23 | 21 | 21 |
| 751-1004 | - | 26 | 22 | 22 | 25 | 20 | 20 | 23 | 24 |
| Isolation Tap-Tap (dB) | | | | | | | | | |
| 5-50 | - | 31 | 32 | 24 | 36 | 35 | 33 | 32 | 35 |
| 51-300 | - | 31 | 34 | 33 | 36 | 37 | 31 | 29 | 32 |
| 301-550 | - | 30 | 34 | 32 | 36 | 37 | 29 | 29 | 34 |
| 551-750 | - | 32 | 34 | 30 | 31 | 34 | 30 | 30 | 34 |
| 751-1004 | - | 32 | 29 | 32 | 30 | 28 | 29 | 29 | 30 |

Hum Modulation

5-1004Mhz

90vac @ 12A – 65dBc

OTB-8 Series – 8 outputs

| Value (dB) | 4T | 8 | 11 | 14 | 17 | 20 | 23 | 26 | 29 |
|-------------------------------|----|---|----|-----|-----|-----|-----|-----|-----|
| Insertion Loss (dB) | | | | | | | | | |
| 5-50Mhz | - | - | - | 3.4 | 1.4 | 1.0 | 0.8 | 0.6 | 0.6 |
| 50-300 | - | - | - | 3.9 | 1.6 | 1.3 | 1.0 | 0.7 | 0.7 |
| 301-550 | - | - | - | 3.9 | 1.6 | 1.3 | 1.0 | 0.8 | 0.8 |
| 551-750 | - | - | - | 4.3 | 2.1 | 1.7 | 1.1 | 0.9 | 0.9 |
| 751-1004 | - | - | - | 4.4 | 2.4 | 2.0 | 1.6 | 1.3 | 1.3 |
| Return Loss (dB) | | | | | | | | | |
| 5-50Mhz | - | - | 21 | 28 | 21 | 25 | 25 | 27 | 26 |
| 51-300 | - | - | 22 | 24 | 22 | 21 | 22 | 20 | 21 |
| 301-550 | - | - | 22 | 23 | 22 | 21 | 22 | 20 | 21 |
| 551-750 | - | - | 21 | 20 | 21 | 24 | 24 | 22 | 24 |
| 751-1004 | - | - | 25 | 23 | 22 | 22 | 23 | 26 | 25 |
| Isolation Tap-Tap (dB) | | | | | | | | | |
| 5-50 | - | - | 33 | 37 | 32 | 28 | 27 | 31 | 33 |
| 50-300 | - | - | 29 | 32 | 32 | 32 | 30 | 29 | 31 |
| 301-550 | - | - | 29 | 32 | 32 | 32 | 30 | 29 | 31 |
| 551-750 | - | - | 27 | 29 | 28 | 28 | 27 | 31 | 31 |
| 751-1004 | - | - | 28 | 26 | 25 | 26 | 23 | 25 | 25 |

Hum Modulation

5-1004Mhz

90vac @ 12A – 65dBc

Specifications Subject to change without notice