



LBA Technology

Excellence in RF/telecommunications support since 1963

CAMI™ Coaxial AM Isocoupler

Product Data

LBA Technology's CAMI™ series of new-concept broadband medium-power isolators permit other antennas to be mounted on "hot" AM towers. These systems offer a simple, economical solution to take full advantage of existing vertical real estate.

CAMI systems are specifically targeted to isolate single auxiliary broadcast coaxial cables for STL's, FM translators, low power FM and television translators. Unlike commonly used isocouplers, one CAMI fits all of these applications. They also have the advantage of passing AC or DC current to tower top amplifiers and are more resistant to weather and lightning.

With pending FCC approval of translators for AM daytime stations, CAMI will provide a simple, cost effective way to mount the translator antenna on existing AM towers without major changes to the transmitting system.



CAMI™ SYSTEM SPECIFICATIONS:

- Broadband transmission frequency: DC - 2500 MHz
- Broadband impedance: 50 ohms, VSWR < 1.2:1
- Power* (averages): 1500 W @ 100 MHz
500 W @ 1000 MHz
250 W @ 2500 MHz
- Insertion loss: 1.2 dB @ 100 MHz, 2.6 dB @ 1000 MHz, 4.0 dB @ 2500 MHz
- Connectors: Type N (DIN available)
- DC power passing
- AM isolation frequency range: 500 - 2500 kHz (specified frequency)
- AM RF Impedance (Zeff): >2000 ohms
- AM working voltage: 3.5 kV peak (typical 10 kW into 1/4 wave tower, other ratings on request)
- Lightweight, fast installation

CAMI/MAX™ SYSTEM SPECIFICATIONS:

- Broadband transmission frequency: DC - 2500 MHz
- Broadband impedance: 50 ohms, VSWR < 1.2:1
- Power* (averages): 8000 W @ 100MHz
2500 W @ 1000MHz
1500 W @ 2500MHz
- Insertion loss: .35 dB @ 100 MHz, 1.2 dB @ 1000 MHz, 4.0 dB @ 2500 MHz
- Connectors: 7/8" E/A (other connectors available)
- DC power passing
- AM isolation frequency range: 500 - 2500 kHz (specified frequency)
- AM RF Impedance (Zeff): >2000 ohms
- AM working voltage: 3.5 kV peak (typical 10 kW into 1/4 wave tower, other ratings on request)
- Lightweight, fast installation

*Power rating at 40 °C & 1:1 VSWR load (derate by 75% for standard CAMI™ and 60% for CAMI/Max™ for typical environmental and usage factors)
Specifications are subject to change without notice.

TO ORDER:

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