

CAMI™

BROADBAND AM ISOCOUPERS

PRODUCT DESCRIPTION

LBA Technology's CAMI™ series of new-concept broadband medium-power isolators permit other antennas to be mounted on "hot" AM towers. These colocation systems offer a simple, economical solution to take full advantage of existing vertical real estate. The LBA CAMI™ isocoupler family supports any combination of RF carriers from DC to 2700 MHz or more, and conservative RF power levels to 5000 watts. High Impedance AM isolation is achieved on a specified frequency between 530 - 1710 kHz with low to medium AM power.

CAMI™ systems are specifically designed to isolate single coaxial cable feeds for two-way, microwave and STL links, FM translators, low power FM, LPTV and television translators. Unlike commonly used tuned isocouplers, the same CAMI™ fits all of these applications without retuning. They also have the advantage of passing AC or DC current to tower top amplifiers and are more resistant to weather and lightning.

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

For multiple coaxial cable applications like cellular, and for high power FM & TV colocations, LBA offers [ColoCoil™](#) line of AM isolators.

Please contact us at [LBA](#) for a no obligation consultation on your [AM isocoupler and colocation requirements](#).



CAMI 500™



CAMI 1800™



CAMI 5000™

CAMI™

BROADBAND AM ISOCOUPERS



PRODUCT DATA

| Specification | CAMI 500™ | CAMI 1800™ | CAMI 5000™ |
|--------------------------------------|----------------------------|----------------------------|----------------------------|
| Price | \$1795 | \$2395 | \$3395 |
| Transmission Path Performance | | | |
| Frequency range (min) | DC - 2700 MHz | DC - 2700 MHz | DC - 2700 MHz |
| Impedance | 50 ohms | 50 ohms | 50 ohms |
| VSWR (typical) | < 1.3/1 | < 1.25/1 | < 1.2/1 |
| Power rating* | | | |
| 100 MHz | 475 watts | 1800 watts | 5100 watts |
| 1000 MHz | 125 watts | 550 watts | 1500 watts |
| 2500 MHz | 75 watts | 325 watts | 900 watts |
| Insertion loss (typical) | | | |
| 100 MHz | 1.0 dB | 0.6 dB | 0.4 dB |
| 1000 MHz | 2.7 dB | 1.5 dB | 0.9 dB |
| 2500 MHz | 4.3 dB | 2.4 dB | 1.3 dB |
| Coax connectors | Type N female | 7/16 DIN female | 7/8 EIA or 7/16 DIN female |
| DC power passing | Yes (2 amps) | Yes (5 amps) | Yes (10 amps) |
| AM Isolation Performance | | | |
| Frequency range | 530 - 1710 KHz | 530 - 1710 KHz | 530 - 1710 KHz |
| Isolation frequency | Single, customer specified | Single, customer specified | Single, customer specified |
| AM RF impedance | > 2000 ohms | > 4000 ohms | > 4000 ohms |
| AM base volts (max, standard) | 3500 volts peak | 3500 volts peak | 3500 volts peak |
| Physical and Environmental | | | |
| Dimensions | 24" long, 7" diameter | 31" long, 9" diameter | 19" long, 17" diameter |
| Weight | 13 lbs | 25 lbs | 70 lbs |
| Mounting orientation | Vertical | Horizontal or vertical | Horizontal |
| Mounting method | FG standoffs | FG standoffs | Tower/post brackets |
| Temperature | -40 to +50C | -40 to +50C | -40 to +50C |
| Humidity | Weatherproof | Weatherproof | Weatherproof |

*CW Power rating at 40°C & 1.5 VSWR load

Specifications are subject to change without notice.

Contact LBA for a no obligation consultation on your AM Isocoupler requirements or to place an order:

LBA Technology, Inc.

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Domestic Orders

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International Orders:

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