

CAMI™

BROADBAND AM ISOCOUPERS

PRODUCT DESCRIPTION

LBA Technology's CAMI™ series of new-concept low, medium, and high power broadband isolators are the modern way to mount additional antennas on "hot" AM towers. These broadband 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 40,000 watts at FM.

High Impedance AM isolation is achieved on any specified frequency between 530 - 1710 kHz. Your CAMI™ provides a simple, cost effective way to mount antennas and their coaxial lines on existing directional or nondirectional AM towers without significant changes to the transmitting system. Standard CAMI's handle low to medium AM power. Custom AM multi-frequency and high power systems are also available for special applications.

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- even for high power FM & TV colocations. Unlike commonly used tuned isocouplers, the same broadband CAMI™ model will fit all of these application frequencies without retuning.

Since CAMI's are very broadband, an FM or TV operator need not change isocouplers, even if they are reallocated. This is important with the current unsettled state of low power and translator allocations. And, with FCC approval of translators for AM daytime stations, your CAMI™ provides a simple, cost effective way to take advantage of an "AM" translator by mounting your translator antenna on your existing tower.

CAMI's also have the advantage of passing AC or DC current to tower top amplifiers and are resistant to weather and lightning. LBA isocouplers are budget-friendly and easy to install from ground level with supplied hardware.

Truly the state-of-the-art, backed by over 25 years of colocation experience.

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

[SEE SPECIFICATIONS ON BACK](#)



CAMI 500™



CAMI 1800™



CAMI 5000™



CAMI 10/40,000™

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Revision 011

 **LBA Technology, Inc.**

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Domestic Orders

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International Orders:

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PRODUCT DATA

Specification	CAMI 500™	CAMI 1800™	CAMI 5000™	CAMI 10,000™	CAMI 40,000™
Price	\$1795	\$2395	\$3395	\$8900	P.U.R
Transmission Path Performance					
Frequency range (min)	DC - 2700 MHz	DC - 1500 MHz			
Impedance	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
VSWR (typical)	< 1.3/1	< 1.25/1	< 1.2/1	< 1.2/1	< 1.2/1
Power rating*					
100 MHz	475 watts	1800 watts	5100 watts	11,000 watts	40,000 watts
1000 MHz	125 watts	550 watts	1500 watts	3000 watts	10,000 watts
2500 MHz	75 watts	325 watts	900 watts	1900 watts	8,000 watts**
Insertion loss (typical)					
100 MHz	0.6 dB	0.4 dB	0.2 dB (max)	0.2 dB (max)	0.14 dB
1000 MHz	1.4 dB	1.3 dB	0.7 dB (max)	0.7 dB (max)	0.56 dB
2500 MHz	3.4 dB	2.2 dB	1.1 dB (max)	1.2 dB (max)	0.74 dB**
Coax connectors	Type N female	7/16 DIN female	7/8 EIA or 7/16 DIN female	1 5/8" EIA	3 1/8" EIA gas pass
DC power passing	Yes (2 amps)	Yes (5 amps)	Yes (10 amps)	Yes (15 amps)	Yes (20 amps)
AM Isolation Performance					
Frequency range	530 - 1710 KHz	530 - 1710 KHz			
Isolation frequency	Single, customer specified	Single, customer specified	Single, customer specified	Single, customer specified	Single, customer specified
AM RF impedance	> 2000 ohms	> 3000 ohms	> 3000 ohms	> 3000 ohms	> 3000 ohms
AM base volts (max, standard)	3500 volts peak	3500 volts peak	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	48" long, 48" high, 30" wide	60" long, 60" high, 36" wide
Weight	13 lbs	25 lbs	70 lbs	100 lbs	200 lbs
Mounting orientation	Vertical	Horizontal or vertical	Horizontal	Vertical	Vertical
Mounting method	FG standoffs	FG standoffs	Tower/post brackets	Pod base	Pod base
Temperature	-40 to +50°C	-40 to +50°C	-40 to +50°C	-40 to +50°C	-40 to +50°C
Humidity	Weatherproof	Weatherproof	Weatherproof	Weatherproof	Weatherproof

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

** Max frequency for CAMI-40,000 in 1600 MHz for ratings

Higher AM power handling or special order

Specifications are subject to change without notice.

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

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