

Broadband & Single Channel VHF/UHF Preamplifiers & Power Supplies

CMA-BB, CMA-Uc **Broadband VHF and UHF Preamplifiers**

The CMA Broadband Preamplifier Series includes professional quality, low noise, broadband VHF & UHF preamplifiers. These units have been designed to meet the needs of broadband system installations. The CMA Broadband Preamplifier Series provide exceptionally high signal handling capability and gain with good input match, making these preamplifiers ideal for use with wideband TV antennas. Two models are available, including: CMA-BB, Broadband VHF; and CMA-Uc, Broadband UHF. A 20 dB backmatched test port is supplied, permitting the unit's performance to be monitored without interrupting service.



4448

SCMA-Ub **Single Channel UHF Preamplifiers with Guaranteed Noise Figure**

The SCMA Single Channel Preamplifier Series includes professional quality, very low noise, single channel UHF preamplifiers. These units have an all solid-state design utilizing two 'field-effect transistors' (FETs). These devices provide a guaranteed very-high signal-to-noise ratio. The actual noise figure of each individual unit is stamped on the case. The SCMA-Ub is optimized for a single UHF channel. These preamplifiers can accept a wide range of input signal levels and offer excellent gain, making these units ideal for difficult signal areas. Additionally, these preamplifiers have exceptional immunity to overloads caused by strong adjacent channel signals. The SCMA-Ub can also be ordered with an optional factory tuned internal trap to prevent overload or intermodulation problems from strong, local channels without significant noise figure degradation. A 20 dB backmatched test port is supplied, permitting the unit's performance to be monitored without interrupting service.



1264

CMA-b **Single Channel VHF/FM Preamplifier**

The CMA-b is a professional quality, low noise, single channel VHF/FM preamplifier. The CMA-b can accept a wide range of input signal levels and offers excellent gain, making this preamplifier ideal for difficult signal areas. Additionally, this unit has exceptional immunity to overloads caused by strong adjacent channel signals. A 20 dB backmatched test port is supplied, permitting the unit's performance to be monitored without interrupting service.



4706

PS-1526, PS-1536 **Preamplifier Power Supplies**

The PS-1526 and PS-1536 are professional quality, DC power supplies designed to power antenna preamplifiers. Both units provide -21 VDC and allow for a combined VHF and UHF feed to be duplexed with the power feed. The PS-1536 has a dual output for powering two loads, with a maximum current rating of 100 mA. The PS-1526 has a single output for powering one load, with maximum current rating of 40 mA. The PS-1526 and PS-1536 are housed in an aluminum case with a panel mounted fuse and an auxiliary AC receptacle. Both units offer regulated and surge-protected power. The PS-1536 provides an additional level of short circuit protection on the regulator and a clamped output voltage to protect connected loads.



1526



1536

Broadband & Single Channel VHF/UHF Preamplifiers & Power Supplies

CMA-BB, CMA-Uc - Broadband VHF & UHF Preamplifiers

SPECIFICATIONS				
ELECTRICAL				
	CMA-BB	CMA-Uc	Units	
Frequency Range:	54-216 (2-13)	470-860 (14-69)	MHz	
Noise Figure:	5.0	3.0	dB	
Gain:	26	20	dB	
Bandpass Flatness:	±0.7	1.5	dB	
Min. Recommended Input Level:	-7	-9	dBmV	
Input Capability:	+25	+26	dBmV	
Impedance - All Ports:	75	75	Ω	
Input Return Loss:	11	-	dB	
Output Return Loss:	8	-	dB	
GENERAL				
Power Requirements:	-21 VDC @ 50 mA	-21 VDC @ 29 mA		
Recommended BT Power Supply:	PS-1536	PS-1526		
Temperature Range:	-40 to +60	-40 to +60	°C	
MECHANICAL				
Maximum Mast Diameter (O.D.):	1.5	1.5	in	
Dimensions (WxHxD):	5.13x5.25x3.50 130x133x89	5.00x3.88x3.00 127x99x76	in mm	
Weight:	1.50 0.68	1.31 0.60	lbs kg	

CMA-BB
Stock No. 4448-BB

CMA-Uc
Stock No. 1264

FEATURES

Low Noise Figure
Excellent Gain, High Input
Capability
Ideal for all BTY Broadband
Antennas
Output Test Port for
Uninterrupted Service Testing

SCMA-Ub, CMA-b - Single Channel VHF & UHF Preamplifiers

SPECIFICATIONS				
ELECTRICAL				
	SCMA-Ub	CMA-b	Units	
Noise Figure:	2.5 (14-69)	3.5 (2-6) 2.0 (FM) 2.5, max (7-13)	dB	
Trap Depth:	10	NA	dB	
Gain:	25 (14-34), 24 (35-69)	29 (2-6), 24 (FM), 26 (7-13)	dB	
Bandwidth:	6	6, 20 (FM)	MHz	
Bandpass Flatness:	±0.75	±0.25 (2-13), 1.0 (FM)	dB	
Selectivity:	12	12	dB	
Minimum Recommended Input Level:	-10.5	-10	dBmV	
Input Capability:	+35	+35	dBmV	
Impedance - All Ports:	75	75	Ω	
GENERAL				
Power Requirements:	-21 VDC @ 29 mA	-21 VDC @ 40 mA		
Recommended BT Power Supply:	PS-1526	PS-1526		
Temperature Range:	-40 to +60	-40 to +60	°C	
MECHANICAL				
Max. Mast Diameter (O.D.):	1.5	1.5	in	
Dimensions (WxHxD):	5.00 x 3.88 x 3.00 127 x 99 x 76	5.00 x 3.88 x 2.31 127 x 99 x 59	in mm	
Weight:	1.31 0.60	1.31 0.60	lbs kg	

SCMA-Ub
Stock No. 4426

CMA-b
Stock No. 4706

CMA-Uc
Stock No. 1264

FEATURES

Very Low Noise Figure
Excellent Gain, Flat Response
Superior Adjacent Channel
Overload Rejection
Ideal for All BTY Single
Channel Antennas
Output Test Port for
Uninterrupted Service Testing

PS Series Preamplifier Power Supplies

SPECIFICATIONS				
ELECTRICAL				
	PS-1526	PS-1536	Units	
Output Voltage:	-21	-21	VDC	
Current @ 105 VAC Input:	40	100	ma	
GENERAL				
Power Requirements:	117 VAC, ±10% 60 Hz, 0.07 A	117 VAC, ±10% 60 Hz, 0.11 A		
Temperature Range:	0 to +50	0 to +50	°C	
MECHANICAL				
Dimensions (WxHxD):	4.75 x 3.25 x 2.75 121 x 83 x 70	8.25 x 3.50 x 2.25 210 x 89 x 57	in mm	
Weight:	1.25 lbs (0.57 kg)	2.00 lbs (0.91 kg)		
CONNECTORS				
Input:	"F" type, female	"F" type, female		
Output +DC:	"F" type, female	"F" type, female		

PS-1526
Stock No. 1526

PS-1536
Stock No. 1536

FEATURES

Single (1526) / Dual (1536)
Output
VHF/UHF Feed Thru
Regulated and Surge
Protected
Panel Mounted Fuse and
Auxiliary AC Receptacle