

MINI DROP AMPLIFIER [M-AMP-1-x/x-x/x-x]

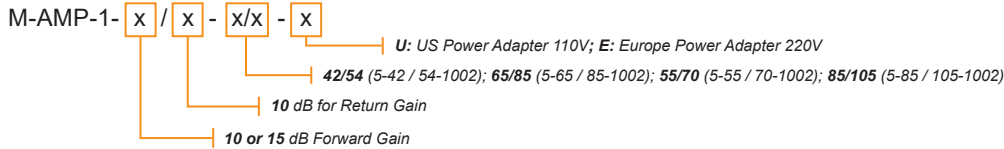
Cable Products, Drop Amplifiers

Features

- 5–1002 MHz Bandwidth
- 360° Pin Structure / Push / Pull Force ≥ 100 g
- LED Power Indicator, Power Adapter Included
- Zinc Alloy Housing, RFI > 100 dB
- IEEE C62.41-1991 100 KHz Ring Wave
- Category A3 6 kV Surge Withstand
- Compact Design for Limited Installation Space
- Active Forward (Downstream) with Option for Passive or Active Return (Upstream)



Ordering Information



Model Number	Standard Carton	Dimensions	Carton Weight
M-AMP-1-x-x/x-x	50 pcs	30.5 x 55.9 x 28 cm / 12 x 22 x 11 in.	14 kg / 31 lbs
M-AMP-1-x/10-x/x-x	50 pcs	30.5 x 55.9 x 28 cm / 12 x 22 x 11 in.	14 kg / 31 lbs

Forward Specifications

	M-AMP-1-10-x/x-x	M-AMP-1-15-x/x-x	M-AMP-1-10/10-x/x-x	M-AMP-1-15/10-x/x-x	Units
Forward Path Frequency	(54/70/85/105)-1002	(54/70/85/105)-1002	(54/70/85/105)-1002	(54/70/85/105)-1002	MHz
Typical Gain	10	15	10	15	dB
Output Level	20	25	20	25	dBmV
Return Loss	15	15	15	15	dB
Flatness	± 1.0	± 1.0	± 1.0	± 1.0	dB
Noise Figure	4.0	4.0	4.0	4.0	dB
CTB*	-73	-73	-73	-73	dBc
CSO*	-62	-62	-62	-62	dBc

Return Specifications

	5-(42/55/65/85)	5-(42/55/65/85)	5-(42/55/65/85)	5-(42/55/65/85)	MHz
Return Path Frequency	5-(42/55/65/85)	5-(42/55/65/85)	5-(42/55/65/85)	5-(42/55/65/85)	MHz
Insertion Loss	1.0	1.0	N/A	N/A	dB
Typical Gain	0	0	10	10	dB
Return Loss	15	15	15	15	dB
Max Output Level	N/A	N/A	60	60	dBmV
Response Flatness	± 1.0	± 1.0	± 1.0	± 1.0	dB
Noise Figure	N/A	N/A	8.0	8.0	dB

* 77 analog channels (54 to 552 MHz) at 10 dBmV/ch. + 33 digital channels (552 to 750 MHz). All channels flat

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MINI DROP AMPLIFIER ACTIVE RETURN ONLY

[M-AMP-1-10R-x/x-x] Cable Products, Drop Amplifiers

Features

- 5–1002 MHz Bandwidth
- 360° Pin Structure / Push / Pull Force ≥ 100 g
- LED Power Indicator, Power Adapter Included
- Zinc Alloy Housing, RFI > 100 dB
- IEEE C62.41-1991 100 KHz Ring Wave
- Category A3 6kV Surge Withstand
- Compact Design for Limited Installation Space



Ordering Information

M-AMP-1-10R - x / x - x

U: US Power Adapter 110V; E: Europe Power Adapter 220V

42/54 (5-42 / 54-1002); 65/85 (5-65 / 85-1002); 55/70 (5-55 / 70-1002); 85/105 (5-85 / 105-1002)



Model Number	Standard Carton	Dimensions	Carton Weight
M-AMP-1-10R-x/x-x	50 pcs	30.5 x 55.9 x 28 cm / 12 x 22 x 11 in.	14 kg / 31 lbs

General

	M-AMP-1-10R-x/x-x	Unit
Impedance	75	Ohm
Return Loss	15	dB
RF to Power Isolation	55	dB
Hum Modulation	-75	dBc
RFI Shielding	100	dB
Surge Withstand	IEEE C62.41 Category A3 6kV/200A Ring Wave	
Waterproof	1	kg/cm ²
F Port Conductor	360° Pin Structure, Push or Pull Force ≥ 50 g	

Specifications

Forward (Downstream)	Min. Value	Max. Value	Unit
Path	54/70/85/105	1002	MHz
Frequency Range	1.5		dB
Insertion Loss		1.0	dB
Flatness		25	dBmV
Output Level*		4.0	dB
Noise Figure			
Group Relay		20	ns
Ch2		10	ns
Ch3		5	ns
From Ch5	-73		dBc
CTB*	-62		dBc
CSO*	-75		dBc

Return (Upstream) Path	Min. Value	Max. Value	Unit
Frequency Range	5	42/55/65/85	MHz
Gain	9		dB
Flatness		1.0	dB
Max Output Level	60		dBmV
Noise Figure		8	dB
Group Relay			
5-42 MHz		20	ns
10-36 MHz		5	ns
2nd Intermodulation**			
Return(Upstream)	-70		dBc
Forward(Downstream)		-40	dBmV
3rd Intermodulation**			
Return(Upstream)	-60		dBc
Forward(Downstream)		-35	dBmV
Xmod**	-75		dBc

* Input flat 10 dBmV, 77 channels/6 MHz, 550-750 MHz digital signals, carrier level 0 dBmV ** Input 3 unmodulated series carriers @ 18, 27, 33 MHz, out level 56 dBmV

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MINI DROP AMPLIFIER PASSIVE RETURN

[M-AMP-1-x-x/x-x] Cable Products, Drop Amplifiers

Features

- 5–1002 MHz Bandwidth
- 360° Pin Structure / Push / Pull Force ≥ 100 g
- LED Power Indicator, Power Adapter Included
- Zinc Alloy Housing, RFI > 100 dB
- IEEE C62.41-1991 100 KHz Ring Wave
- Category A3 6 kV Surge Withstand
- Compact Design for Limited Installation Space
- Active Forward (Downstream) with Passive Return (Upstream)



Ordering Information

M-AMP-1- **X** - **X/X** - **X**

U: US Power Adapter 110V; E: Europe Power Adapter 220V

42/54 (5-42 / 54-1002); 65/85 (5-65 / 85-1002); 55/70 (5-55 / 70-1002); 85/105 (5-85 / 105-1002)

10 or 15 dB Forward Gain

Model Number	Standard Carton	Dimensions	Carton Weight
M-AMP-1-x-x/x-x	50 pcs	30.5 x 55.9 x 28 cm / 12 x 22 x 11 in.	14 kg / 31 lbs

Forward Specifications

	M-AMP-1-10-x/x-x	M-AMP-1-15-x/x-x	Units
Forward Path Frequency	(54/70/85/105)-1002	(54/70/85/105)-1002	MHz
Typical Gain	10	15	dB
Output Level	20	25	dBmV
Return Loss	15	15	dB
Flatness	± 1.0	± 1.0	dB
Noise Figure	4.0	4.0	dB
CTB*	-73	-73	dBc
CSO*	-62	-62	dBc

Return Specifications

	5-(42/55/65/85)	5-(42/55/65/85)	MHz
Return Path Frequency	5-(42/55/65/85)	5-(42/55/65/85)	MHz
Insertion Loss	1.0	1.0	dB
Typical Gain	0	0	dB
Return Loss	15	15	dB
Max Output Level	N/A	N/A	dBmV
Response Flatness	± 1.0	± 1.0	dB
Noise Figure	N/A	N/A	dB

* 77 analog channels (54 to 552 MHz) at 10 dBmV/ch. + 33 digital channels (552 to 750 MHz). All channels flat

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MDU DISTRIBUTION AMPLIFIER [AE86xx/20-x/x-x]

Cable Products, Amplifiers

Taikan

ESTD. 1973

Description

Taikan's AE86xx/20-x/x-x has been specifically designed for use in multi dwelling environments such as hospitals, apartment complexes and hotels. This high gain unit has a bandwidth of 860 MHz, allowing effective transmission of large volumes of data within the CATV network. The built-in equalizer and attenuator (gain/tilt) allow for increased flexibility and easy adjustment of the signal output. The unit includes a European (220 V) or US (110 V) power adapter.

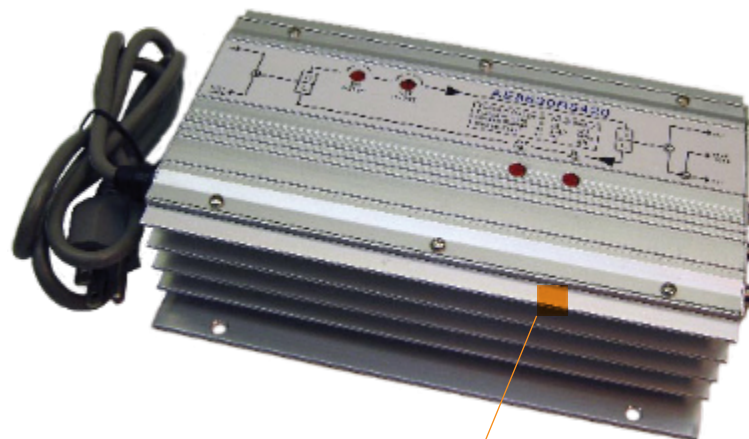
Features

- Forward (Downstream) Frequency: 54/85/105-860 MHz
- Return (Upstream) Frequency: 5-42/65/85 MHz
- Forward (Downstream) Gain: 30 or 40 dB and Tilt Adjuster
- Return (Upstream) Gain: 20 dB
- Extremely Low Distortion and Harmonic Content
- Suitable for HDTV, CATV, Off-air Analog, and Digital RF Distribution Applications
- Continuously Adjustable Tilt and Gain Control

Ordering Information

AE86 xx / 20 - x/x - x

U: US Power Adapter 110V; E: Europe Power Adapter 220V
 42/54 (5-42 / 54-1002); 65/85 (5-65 / 85-1002); 85/105 (5-85 / 105-1002)
 30 dB; 40 dB



Model Number

Standard Qty

Weight

Unit Dimensions

AE86xx/20-x/x-x

1

1 kg (2.2 lb)

23 x 14 x 6.5 cm (9 x 5.5 x 2.5 in.)

Specifications

Forward (Downstream) Frequency	54/85/105 - 860	MHz	Equalizer Adjustment (EQ)	0 - 20.0	dB
Frequency Response	± 0.75	dB	Attenuator Adjustment (ATT)	0 - 20.0	dB
Forward (Downstream) Gain	30 or 40 ± 1.5 ±	dB	Input & Output Impedance	75	Ohms
Passband Flatness	1.0	dB	Impedance Test Point	-20	dB
Input Return Loss	≥ 15	dB	Connector:	Input, Output, & Test Points (all "F" type)	
Output Return Loss	≥ 15	dB	Power Supply:	190 ~ 230 VAC or 110 VAC	
Forward (Downstream) Noise Figure	< 6.0	dB	Operating Temperature:	-10 ~ 50 °C (14 ~ 122 °F)	
Return (Upstream) Frequency	5 - 42/65/85	MHz	AC Fuse (Internal):	1 A	
Return (Upstream) Gain	20 ± 1.5	dB			
Return (Upstream) Noise Figure	< 8.0	dB			

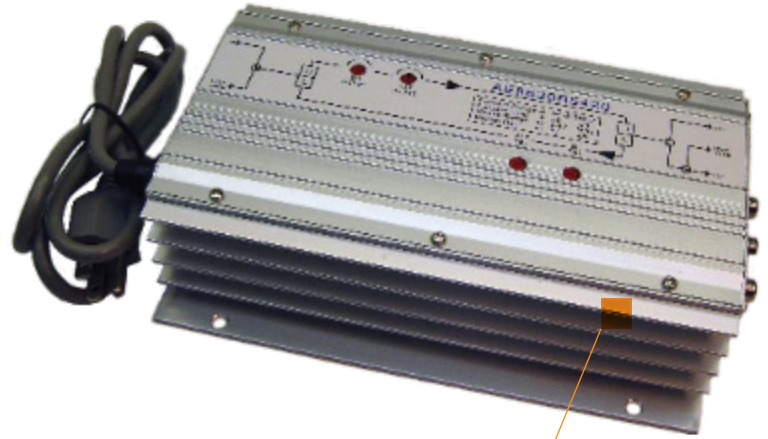
MDU DISTRIBUTION AMPLIFIER [AE86xx-x/x-x]

Cable Products, Amplifiers

Taikan
ESTD. 1973

Description

Taikan's AE86xx-x/x-x has been specifically designed for use in multi dwelling environments such as hospitals, apartment complexes and hotels. This high gain unit has a bandwidth of 860 MHz, allowing effective transmission of large volumes of data within the CATV network. The built-in equalizer and attenuator (gain/tilt) allow for increased flexibility and easy adjustment of the signal output. The unit includes a European (with 220 V) or US (with 110 V) power adapter.



Features

- Continuously Adjustable Tilt and Gain Control
- Forward (Downstream) Frequency: 40-860 MHz
- Forward (Downstream) Gain: 30 or 40 dB and Tilt Adjuster
- Extremely Low Distortion and Harmonic Content
- Suitable for HDTV, CATV, Off-air Analog, and Digital RF Distribution Applications

Ordering Information

AE86 **xx** - **x/x** - **x**
U: US Power Adapter 110V; E: Europe Power Adapter 220V
42/54 (5-42 / 54-1002); 65/85 (5-65 / 85-1002); 55/70 (5-55 / 70-1002); 85/105 (5-85 / 105-1002)
30 dB; 40 dB



Model Number	Standard Qty	Weight	Unit Dimensions
AE86xx-x/x-x	1	1 kg (2.2 lb)	23 x 7 x 12 cm (9 x 3 x 5 in.)

Specifications

Frequency Range	40 - 860	MHz	Adjustable Attenuator	0 ~ 20	dB
Gain	30 or 40	dB	Adjustable Equalizer	0 ~ 20	dB
Input Level Range	68 - 72	dBμV			
Inside-band Flatness	± 0.75	dB	Power Supply**	110 - 220	AC
Reflect Loss Input/	≥ 16	dB	Power Consumption	≤ 12	W
Output Impedance	75	Ohms			
Noise Figure	7.0	dB			
CTB*	≥ 55	dBc			
CSO*	≥ 55	dBc			
Signal Hum Rate	≥ 66	dB			

* Out level 104 dBμV ** 50 or 60Hz

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MDU DISTRIBUTION AMPLIFIER [AE10xx/20-x/x-x]

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Description

Taikan's AE10xx/20-x/x-x has been specifically designed for use in multi dwelling environments such as hospitals, apartment complexes and hotels. This high gain unit has a bandwidth of 1000 MHz, allowing effective transmission of large volumes of data within the CATV network. The built-in equalizer and attenuator (gain/tilt) allow for increased flexibility and easy adjustment of the signal output. The unit includes a European (220 V) or US (110 V) power adapter.

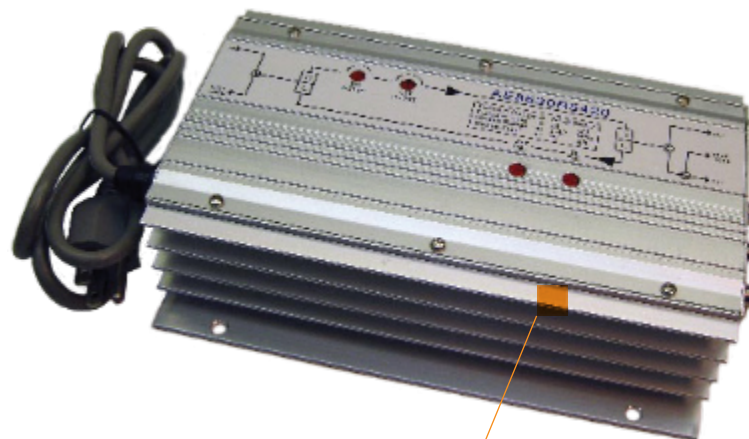
Features

- Forward (Downstream) Frequency: 54/85/105-1000 MHz
- Return (Upstream) Frequency: 5-42/65/85 MHz
- Forward (Downstream) Gain: 30 or 40 dB and Tilt Adjuster
- Return (Upstream) Gain: 20 dB
- Extremely Low Distortion and Harmonic Content
- Suitable for HDTV, CATV, Off-air Analog, and Digital RF Distribution Applications
- Adjustable Tilt and Gain Control

Ordering Information

AE10 xx / 20 - x/x - x

U: US Power Adapter 110V; E: Europe Power Adapter 220V
 42/54 (5-42 / 54-1002); 65/85 (5-65 / 85-1002); 85/105 (5-85 / 105-1002)
 30 dB; 40 dB



Model Number

Standard Qty

Weight

Unit Dimensions

AE10xx/20-x/x-x

1

1 kg (2.2 lb)

23 x 14 x 6.5 cm (9 x 5.5 x 2.5 in.)

Specifications

Forward (Downstream) Frequency	54/85/105 - 1000	MHz	Equalizer Adjustment (EQ)	0 - 20.0	dB
Frequency Response	± 0.75	dB	Attenuator Adjustment (ATT)	0 - 20.0	dB
Forward (Downstream) Gain	30 or 40 ± 1.5 ±	dB	Input & Output Impedance	75	Ohms
Passband Flatness	1.0	dB	Impedance Test Point	-20	dB
Input Return Loss	≥ 15	dB	Connector:	Input, Output, & Test Points (all "F" type)	
Output Return Loss	≥ 15	dB	Power Supply:	190 ~ 230 VAC or 110 VAC	
Forward (Downstream) Noise Figure	< 6.0	dB	Operating Temperature:	-10 ~ 50 °C (14 ~ 122 °F)	
Return (Upstream) Frequency	5 - 42/65/85	MHz	AC Fuse (Internal):	1 A	
Return (Upstream) Gain	20 ± 1.5 < 8.0	dB			
Return (Upstream) Noise Figure		dB			

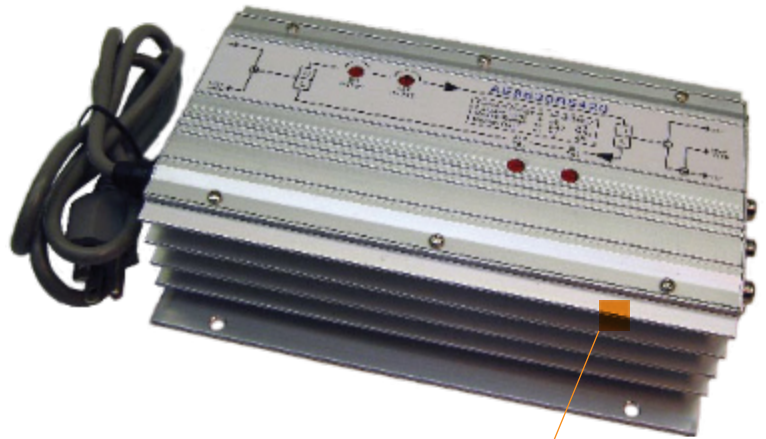
MDU DISTRIBUTION AMPLIFIER [AE10xx-x/x-x]

Cable Products, Amplifiers

Taikan
ESTD. 1973

Description

Taikan's AE10xx-x/x-x has been specifically designed for use in multi dwelling environments such as hospitals, apartment complexes and hotels. This high gain unit has a bandwidth of 1 GHz, allowing effective transmission of large volumes of data within the CATV network. The built-in equalizer and attenuator (gain/tilt) allow for increased flexibility and easy adjustment of the signal output. The unit includes a European (with 220 V) or US (with 110 V) power adapter.



Features

- Continuously Adjustable Tilt and Gain Control
- Forward (Downstream) Frequency: 40 -1000 MHz
- Forward (Downstream) Gain: 30 or 40 dB and Tilt Adjuster
- Extremely Low Distortion and Harmonic Content
- Suitable for HDTV, CATV, Off-air Analog, and Digital RF Distribution Applications

Ordering Information

AE10 **xx** - **x/x** - **x**
U: US Power Adapter 110V; E: Europe Power Adapter 220V
42/54 (5-42 / 54-1002); 65/85 (5-65 / 85-1002); 85/105 (5-85 / 105-1002)
30 dB; 40 dB



Model Number	Standard Qty	Weight	Unit Dimensions
AE10xx-x/x-x	1	1 kg (2.2 lb)	23 x 7 x 12 cm (9 x 3 x 5 in.)

Specifications

Frequency Range	40 - 1000	MHz	Adjustable Attenuator	0 ~ 20	dB
Gain	30 or 40	dB	Adjustable Equalizer	0 ~ 20	dB
Input Level Range	68 - 72	dB μ V			
Inside-band Flatness	\pm 0.75	dB	Power Supply**	110 - 220	AC
Reflect Loss	\geq 16	dB	Power Consumption	\leq 12	W
Input/Output Impedance	75	Ohms			
Noise Figure	7.0	dB			
CTB*	\geq 55	dBc			
CSO*	\geq 55	dBc			
Signal Hum Rate	\geq 66	dB			

* Out level 104 dB μ V ** 50 or 60Hz

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