

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 \geq 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 \geq 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

© Copyright 2020 Taikan Company Inc. All rights reserved. This document is for information only. Features and specifications are subject to change without notice. v020421