

# BYPASS DROP AMPS - PASSIVE [AMP 2-12-BP-x]

Cable Products, Drop Amplifiers

# TaiTin

## Features

- Ideal for Systems that Offer Telephony Service
- 54/70/85/105 - 1002 MHz Forward (Downstream) Path Options
- 5 - 42/55/65/85 MHz Return (Upstream) Path Options
- 12 dB Forward (Downstream) Gain
- Compliant with SCTE Guidelines
- 360° Pin Structure Gold Plated Inner Conductor, Push or Pull Force  $\geq 100$  g
- Aluminum Housing With Copper Connector, RFI > 100 dB
- Surge Withstand: IEEE C62.41 Category A3 6kV/200A 0.5 $\mu$ S-100kHz Ring Wave
- Regional Power Adapter Included



## Ordering Information

AMP-2-12-BP - X

U (5-42 / 54-1002); E (5-65 / 85-1002); J (5-55 / 70-1002); M (5-85 / 105-1002 MHz)

Parameter	Min Value	Typ Value	Max Value	Unit
<b>Forward (Downstream) Path</b>				
Frequency Range	54/70/85/105		1002	MHz
Gain	11	12		dB
Flatness		$\pm 0.75$	$\pm 0.10$	dB
Output Level		20		dBmV
Noise Figure		3.8	4.0	dB
Group Delay	54 to 60 MHz	20	25	ns
	60 to 66 MHz	7	10	ns
	66 to 1000 MHz	3	5	ns
Cross Modulation	-75			dBc
CTB *	-73		-73	dBc
CSO *	-62		-62	dBc
<b>Return (Upstream) Path</b>				
Frequency Range	5		42/55/65/85	MHz
Insert Loss		6.0	6.5	dB
Flatness		$\pm 0.50$	$\pm 0.75$	dB
Group Delay	5-42 MHz	20	25	ns
	10-36 MHz	3	5	ns
<b>General Performance</b>				
Impedance		75		Ohm
Return Loss	16	18		dB
RF to Power Isolation	55	60		dB
Hum Modulation	-75			dBc
Isolation	Bypass to Output	50	55	5-42 MHz
	Bypass to Output	8	15	54-1 GHz
	Output to Bypass	50	55	5-42 MHz
	Output to Bypass	45	50	54-1 GHz
RFI Shielding	100			dB
Power Consumption			125	mA
Waterproof	1			kg/cm <sup>2</sup>
Surge Withstand	IEEE C62.41 Category A3 6kV/200A Ring wave			

\* Input flat 10 dBmV, 77 channels/6MHz, 550~750 MHz digital signals, carrier level 0 dBmV.

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