BYPASS DROP AMPS - ACTIVE [AMP-2-12/7-BP-x]

Cable Products, Drop Amplifiers

Taikan

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
- 7 dB Reverse (Upstream) Gain
- Compliant with SCTE Guidelines
- 360° Pin Structure Gold Plated Inner Conductor, Push or Pull Force ≥ 100 g
- Aluminum Housing With Copper Connector, RFI > 100 dB
- Surge Withstand: IEEE C62.41 Category A3 6kV/200A 0.5μS-100kHz Ring Wave
- Regional Power Adapter Included

Ordering Information

AMP-2-12/7-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
Forward (Downstream) Path					
Frequency Range		54/70/85/105		1002	MHz
Forward (Downstream) Gain		11	12		dB
Flatness			± 0.75	± 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
Return (Upstream) Path					
Frequency Range		5		42/55/65/85	MHz
Return(Upstream) Gain			7		dB
Insert Loss			6.0	6.5	dB
Flatness			± 0.50	± 0.75	dB
Group Delay	5-42 MHz		20	25	ns
	10-36 MHz		3	5	ns
General Performance					
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/cm²
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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