



Mini Drop Amplifier with Low-Intermod Circuitry

Mini Drop Amplifier:

Features:

- ▶ 1 port model
- ▶ Low intermodulation circuitry to ensure low distortions during interactive operation
- ▶ Exceptional return loss and isolation in the return band
- ▶ Visible LED for power verification
- ▶ Waterproof SCTE compliant outdoor housing

Mini Drop Amplifier Specifications

SPECIFICATIONS		DAMDC
FORWARD (54-1000 MHz)		
GAIN	54-1000 MHz	14.5 ± 1.0 dB
TOTAL NOISE FIGURE		3 dB
RETURN LOSS (IN) (Min)	54-860 MHz	18 dB
	860-1000 MHz	16 dB
RETURN LOSS (OUT) (Min)	54-860 MHz	18 dB
	860-1000 MHz	18 dB
OUTPUT FLATNESS		1 dB
GROUP DELAY		<20nS/3.58 MHz Channel 2
		<8nS/3.58 MHz Channel 3
		<5nS/3.58 MHz Other channels
REVERSE (5-42 MHz)		
RETURN LOSS (IN) (Min)		20 dB
RETURN LOSS (OUT) (Min)		20 dB
PASSIVE PATH LOSS	5-30 MHz	-0.5 ± 0.5 dB
	30-42 MHz	-1.0 ± 0.5 dB
GROUP DELAY		<20nS/1 MHz 5-42 MHz
		<5nS/1 MHz 10-36 MHz
FORWARD AND REVERSE		
DISTORTIONS	COMP. 2nd ORD.*	62 dBc
	COMP. TR. BT.*	75 dBc
	CROSS MOD.*	75 dBc
HUM MODULATION		80 dBc
RFI. SHIELDING (Min)		120 dB
SURGE WITHSTAND CAPABILITY	CAT B3 6kV, 3kA Combination wave on all RF ports, including transformer & power inserter	
OPERATING TEMPERATURE	-40°C to +60°C (-40°F to +140°F)	
TRANSFORMER (UL APPROVED)	120 VAC INPUT; 12 VDC/300mA OUTPUT	
NOTE:		
* +10 dBmV flat input, 79 analog channels from 55M to 550M. Digital channels from 550M to 750M at 6 dB down.		



Ordering Information

Part Number	Description
DAMDC	Single Port Mini Drop Amp

Specifications subject to change without notice.

