

COMMSCOPE BT 100

TRUNK AMPLIFIER

The BT 100 offers excellent RF parameters and a lot of flexibility for the use at strategic places in the cable network: Four active outputs, optional GaN hybrids and the possibility for analog and QAM ADUs.



- Up to four active outputs
- 1003 MHz power doubling in enhanced GaAs (E-GaAs) distribution amplifier
- Also with GaN hybrid available!
- High gain
- QAM and analog ADUs
- Bode equalization (thermal or auto controlled)
- Status monitoring (NMS)

PARAMETERS			FORWARD	RETURN RA-KIT-65H
Bandwidth		MHz	52-1003	5-65
Flatness		dB	$\pm 0,70$	$\pm 0,75$
Minimum full gain		dB	46	NA
Operating gain		dB	42	17,5
Manual bode slope control range		dB	± 4	NA
Interstage equalizer Slope		dB	14 ± 1	NA
Noise figure 40/52/1003 MHz		dB	NA/10/10	10/NA/NA
Reference frequency		MHz	1003/550/52	
Output level		dBmV	45/44/37	35 FLAT
Distortion	CTB	dBc	75	86
	XM	dBc	66	74
	CSO	dBc	71	82
Test point		dB	$20 \pm 1,0$	
Return loss		dB	16	15
Hum modulation		dBc	60	55
DC voltage		VDC	$+ 24,0 \pm 0,25$	
Current DC		mA	2410	2545
Power consumption		W	67,1	71,2
AC Input voltage		VAC	38-90	
AC Bypass current	All ports	A	15	
Dimensions			54,9 x 26,9 x 19,6 cm	
Weight			12,25 kg	
Temperature range			$- 40^{\circ} \dots + 60^{\circ}\text{C}$	