

COMMSCOPE SLE 100

LINE EXTENDER

Der SLE 100 (Starline Line Extender) ist ein zuverlässiger und sehr kosteneffizienter Linienverstärker mit exzellenten HF-Eigenschaften. Seine Vorzüge sind unter anderem hohe Verstärkung, hohe Aussteuerbarkeit, praktische und flexible Konfigurationsmöglichkeiten sowie ausgezeichnete Performance hinsichtlich Entzerrung und Rückflussdämpfung.



- 1003 MHz E-GaAs Power Doubler Technologie
- Ab 35 dB bzw. 40 dB Verstärkung
- 5-1003 MHz Bandbreite
- Ergonomisches Modul für Verstärkung und Entzerrung
- Rückwegverstärkung 24 dB
- Frequenzaufteilung 30/47, 42/54, 65/85 (MHz)
- Option für automatische Regelung
- Aufteilung auf zwei Ausgänge möglich
- Modulares Netzteil
- Testpunkt - 20 dB
- Robustes Aluminiumgehäuse
- Ingress Control Switching

SPECIFICATIONS E-GaAs	UNITS	FORWARD	RETURN
Passband Frequency	MHz	K (54 – 1003) A (85 – 1003) N (104 – 1003)	K (5 – 42) A (5 – 65) N (5 – 85)
Flatness	dB	±1.0	±1.0
Gain (without SLE-BODE) ¹	dB	37 or 42 (without SLE-BODE) 34 or 39 (with SLE-BODE)	24
Noise Figure ²	dB	9	6.5
Standard Slope Reference Frequency (GaAs)	MHz	1003/550/54	35(flat)
Standard Slope Reference Output Level (GaAs)	dBmV	51/44/37	—
Standard Operating Interstage Slope (GaAs)	dB	9 ±1	
Standard Slope Performance (GaAs)			
Channels, Number of NTSC		79	6
Composite Triple Beat (CTB)	-dBc	71	75
Cross Modulation (XM)	-dBc	70	65
Composite Second Order (CSO)	-dBc	70	77
Ultra Slope Reference Frequency (GaN)	MHz	1003/550/54	35(flat)
Ultra Slope Reference Output Level (GaN)	dBmV	57/48/39	—
Ultra Operating Interstage Slope (GaN)	dB	13 ±1	
Ultra Slope Performance (GaN)			
Channels, Number of NTSC		79	6
Composite Triple Beat (CTB)	-dBc	69	75
Cross Modulation (XM)	-dBc	62	65
Composite Second Order (CSO)	-dBc	66	77
Return Loss	dB	15	15
AC Input Voltage	VAC	27–90	
AC Bypass Current	A	10	

AC Current Draw ³ @90 VAC @75 VAC @60 VAC @53 VAC @45 VAC @38 VAC @27 VAC	A	0.63 0.68 0.82 0.97 1.00 1.13 1.60
Connector Type		5/8 – 24 UNEF
Operating Temperature Range	°C °F	–40 to +60 –40 to +140
Dimensions, L x W x D	inches mm	10.75 x 8.0 x 4.5 273 x 203 x 114
Weight	lb kg	7.0 3.2

Notes:

1. For future use of the SLE-BODE in conjunction with the SLE-ADU-* or SLE-TDU, allow for an additional 7 dB of interstage insertion loss for the SLE. This may be accomplished via a JXP-7B (7 dB attenuator).
2. Typical performance.
3. Typical performance for quasi-square wave. Optional AGC, Status Monitoring, and/or Ingress Control Switching will increase stated current draw.

BENÖTIGTES ZUBEHÖR

PART NUMBER	MODEL	DESCRIPTION
535723-001-00 531124-001 to -022 531161-001 to -010	SFE-100-0 SFE-100-1 to -22 SCS-1 to SCS-10	Forward 1003 MHz equalizer (0 dB) –or– Forward 1003 MHz equalizer (values of 1 to 22 dB in 1 dB steps) –or– Cable simulator (values of 1 to 10 dB in 1 dB steps)
531163-xxx-00	SRE-*. *	Return equalizer, 5–42 MHz (K-split), 5–65 MHz (A-split), 5–85 MHz (N-Split), values 0 to 12 dB in 2 dB steps
531186-xxx-00	JXP-*B	Plug-in attenuator/pad (values of 0 to 26 dB in 1 dB steps)

OPTIONALES ZUBEHÖR

PART NUMBER	MODEL	DESCRIPTION
531230-001-00	SP100	Splitter (1 GHz) to activate second output
531230-002-00	DC100/8	Directional Coupler (1 GHz) to activate second output (8 dB)
531230-003-00	DC100/10	Directional Coupler (1 GHz) to activate second output (10 dB)
531230-004-00	DC100/12	Directional Coupler (1 GHz) to activate second output (12 dB)
SLE-BODE	SLE-BODE	SLE BODE Equalizer (Required for use with SLE-ADU-* or SLE- TDU)
530406-001-00	SLE-ADU-499.25/S-R	499.25 MHz SLE Automatic Drive Unit (For automatic gain control of SLE-BODE)
530406-002-00	SLE-ADU-439.25/S-R	439.25 MHz SLE Automatic Drive Unit (For automatic gain control of SLE-BODE)
530408-001-00	SLE-TDU-R	SLE Thermal Drive Unit (For temperature control of SLE-BODE)