

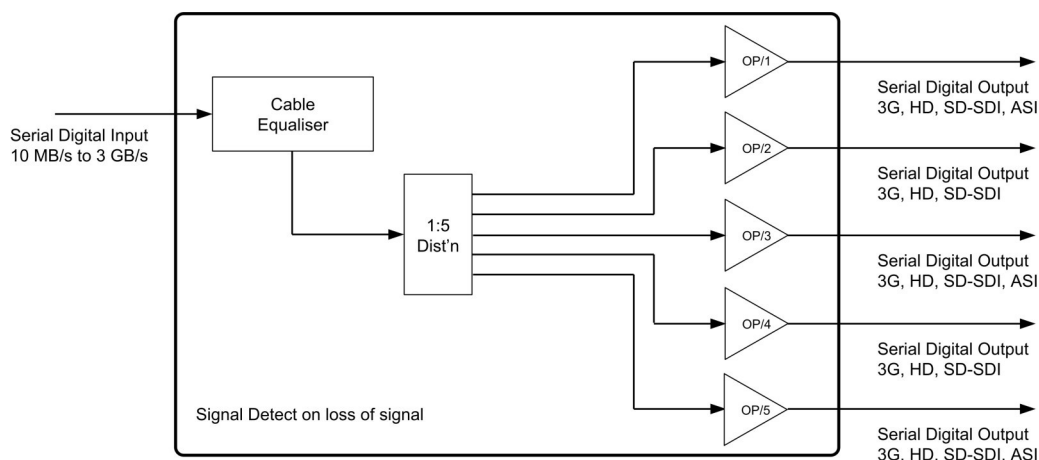
BC Series Modular Fibre Optic Interface System



Description:

- The BC351 is a distribution amplifier for 3G-SDI, HD-SDI, SD-SDI, and ASI signals used in digital TV facilities.
- It auto-senses the incoming signal, equalises it, and sends it to five outputs.
- In non-reclocking mode, it supports data rates from 10 Mb/s to 3 Gb/s.
- It fits into a single slot in the BC100-3RU 19" rack frame, which holds up to 15 single-slot cards.
- Some BC Series cards have dual functions, enabling up to 30 video channels per 3RU frame.
- For standalone use, the BC351 is available in a rugged individual enclosure.

BC351 Distribution Amplifier 3G-SDI,HD-SDI,SD-SDI,ASI



Specifications

Electrical Input	
Standards	SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE 297M, DVB-ASI
Connector	75 Ohm BNC per IEC 60169-8 Amendment 2
Return Loss	> 15dB @ 1.485 Gb/s
Equalisation	Automatic to 100 m @3Gb/s Automatic to 200 m @1.485 Gb/s Automatic to 300 m @270Mb/s Equaliser and reclocking can be bypassed to support data rates down to 10 Mb/s
Electrical Output	
Number of O/P	5
Connector	75 Ohm BNC per IEC 60169-8 Amendment 2
Return Loss	> 15 dB @ 1.485 Gb/s
Polarity	Non inverting
Signal Level	800 mV +/-10%
DC Offset	0 +/- 0.5 V
Jitter	<0.2 UI line equalised
Format	Driven active loop out
N.B. Outputs 2 and 4 are polarity sensitive and do not pass ASI	

General Card Specifications	
Depth	60mm
Width	20mm 4HP
Height	129mm 3RU
Weight	100g
Operating Temp	-30 to +70°C
Power	2.2W
Signal Detect	LED on for loss of signal
No. of slots	1
Conformance	
EMI/RFI	Complies with 89/336/EEC, EN55022B, EN61000-4-2, EN61000-4-4(level 2), EN61000-4-4FTB, EN61000-4-5 EN61000-4-11
Electrical	Complies with EN61000-6-1 EN61000-6-2, EN61000-6-3, EN61000-6-4
Laser Safety	Dependent on SFP fitted Complies with Class 1 laser product
RoHS	Complies with Directive 2002/95/EC
Warranty	5 Years

Ordering Information

BC351	1 in, 5 out reclocking 3G-SDI, HD-SDI, SD-SDI and ASI distribution amplifier. In non reclocked mode passes data rates down to 10MHz Fitted with LC connectors as standard For all available enclosures and frames see section "Universal Chassis and Power Supplies".
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