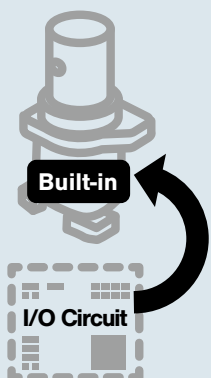


Two-piece construction: BNC and card edge connector, which enabling great return loss performance and clear output waveform by simply placing a BNC body on reflowed card edge connector on PCB.



12G-SDI Active BNC
BCAK Series

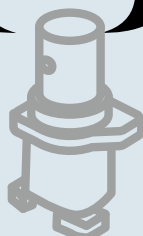
Built-in I/O Circuit



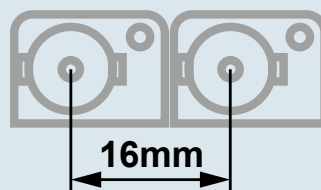
Reduce development period

Simplifies PCB design

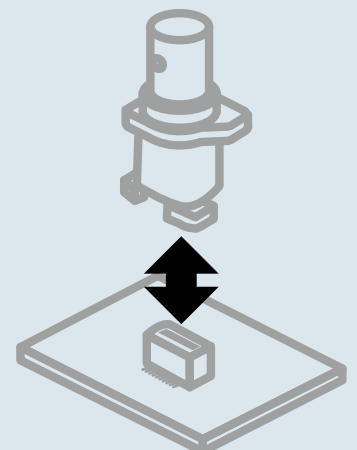
Excellent return loss performance



16mm pitch design



Easy to replace



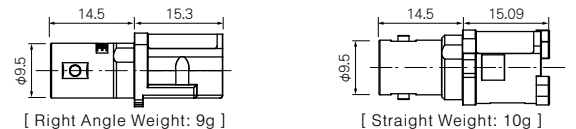
12G-SDI Active BNC

The listed numbers of electric performance are standard value.

Form	Model	Built-in	Current Consumption	Output Amplitude	Equalization	Sales unit
Right Angle	 BCAK-TL	TX Cable Driver	195mA	800mV±10%	N/A	5 pcs
	 BCAK-RL	RX Cable Equalizer	120mA	N/A	L-5.5CUHD 12G-SDI 100m	
	 BCAK-BL		TX mode	128mA	800mV±10%	
RX mode			115mA	N/A	L-5.5CUHD 12G-SDI 100m	
Straight	 BCAK-TS	TX Cable Driver	195mA	800mV±10%	N/A	
	 BCAK-RS	RX Cable Equalizer	120mA	N/A	L-5.5CUHD 12G-SDI 100m	
	 BCAK-BS		TX mode	128mA	800mV±10%	N/A
RX mode			115mA	N/A	L-5.5CUHD 12G-SDI 100m	

Supply Voltage: 2.5V±5% Operating Temperature: 40 to +85deg C Standards: SMPTE ST 2082-1, ST 2081-1, ST 424, ST 292-1, ST 259, BTA S-004C, EN50083-9

- Supports 12G/6G/3G/HD/SD-SDI
- Assembled on a PC board with SMT Card Edge Connector. The pluggable 2-piece structure improves productivity and replaceability.
- 16 mm: Minimum pitch between adjacent connectors
- Straight models can be mounted on the same board at the same height as 3G-SDI Active BNC.
- PIN control: status monitoring and mode change
- Command control for optimization and characterization
- TX/RX/BiDi identification by insulation color



TX Insulation color: White **RX** Insulation color: Black **Bi-Di** Insulation color: light Gray

SMT Card Edge Connectors

Model	Form	Suit for	Sales unit
AKU-20LFYG	Right Angle	BCAK-TL BCAK-RL BCAK-BL	5 pcs
AKU-20SFYG	Straight	BCAK-TS BCAK-RS BCAK-BS	

- Card Edge Connector for BCAF
- Same footprint for TX, RX and BiDi
- Applicable for reflow soldering



AKU-20LFYG



AKU-20SFYG

Caution!

Do not use in water, high humidity, steam, dusty areas or oil smoky areas. It will cause a fire, an electric shock, and a malfunction of the equipment.

• Product specifications and external appearance are subject to change without notice due to upgrades

The colors of the pictures on this leaflet might seem different from the original because of the printing quality.

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