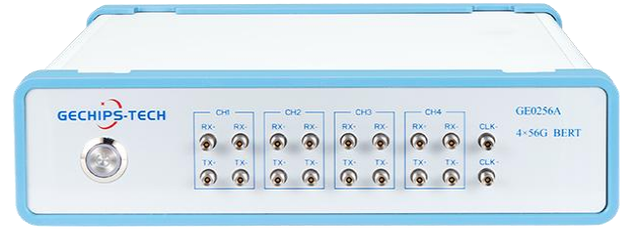
✧ GE0256A 200G High-Speed Bit Error Ratio Tester

GE0256A BERT is a high - performance,low - cost,easy-to-operate,and feature-rich4-channel 50G high-speed code stream generator and analysis device.It supports a rate range from 10G to 50G and is used for testing optical modules with optical communication rates of 200G and below.

➢ Performance characteristics:



- ❖ Four - channel synchronous output, with each channel outputting 10G/25G/50G. It is used for testing products such as 40G/100G /400G. Bit error testing can be carried out independently for each channel or synchronously for four channels.
- ❖ Supports continuous bit error detection and timing bit error monitoring.
- ❖ Wide Data Rate Range:9.9532~28.9 GBaud
- ❖ Test patterns: PRBS 7/9/11/13/15/16/23/31, PRBS13Q/31Q/SSPRQ.
- ❖ Supports FEC (KP4/KR4) and FEC analysis.
- ❖ Two - channel clock synchronous output, with the clock frequency being divided by 8(4/8/16/32 adjustable).
- ❖ Communication method:USB serial communication.Communicate with the device via PC upper computer software to set up the error detector and test the bit error rate.

➢ Technical Parameter

Data Output			
Output Type	Differential PAM4/NRZ	Rise Time (20 - 80%)	<20ps
Termination	AC Coupling	Fall Time (20 - 80%)	<20ps
Output Impedance	100ohm	Random Jitter (RJ RMS)	<800fs
Data Pattern	PRBS7/9/11/13/15/16/23/31,PRBS13Q/31Q/SSPRQ	Div Ratio (Adjustable)	1/4,1/8,1/16,1/32
Frequency Accuracy (Typical)	±50pm	Connector	50ohm Nominal, 2.92mm/GPPO Female
Output Amplitude (Differential)	400-1000 mVpp (600 - 800 commonly used)	Operating Voltage (DC)	6-12V
Symbol Data Rate (GBaud)	9.9532/10.3176/10.3125/10.5187/10.6642/10.7092/11.3170/12.125/14.0250/20.2752/20.6250/21/24/24.33/25/25.3440/25.78125/26.26.5625/27.9524/28.0500/28.2/28.9		

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