

Company Introduction



Plugtech Precision Systems Limited (Hong Kong) focus on developing optical modulator bias voltage controllers and have been in this area for five years. We have bias controllers for MZ, QPSK, DP-QPSK modulators. Our product is smaller in size and easy to use without manual calibration.

Contact

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Product and Service

IQ modulator bias controller family

- ◎ Dual Polarization IQ Modulator bias controller: MBC-DPIQ
- ◎ Single Polarization IQ Modulator bias controller: MBC-IQ

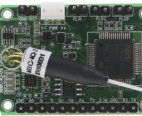
MZ modulator bias voltage controller family

- ◎ MZM modulator arbitrary point bias controller: MBC-MZM
- ◎ MZ modulator Null point bias controller: MBC-NUL
- ◎ MZ modulator Q point bias controller: MBC-Q
- ◎ MZ modulator Q point ditherless bias controller: MBC-HF

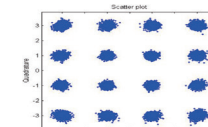
Optical Transmitters

- ◎ MZM transmitter for PRBS, Pulse Generation

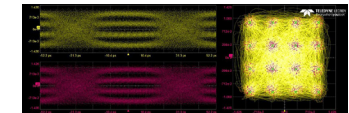
IQ Modulator Bias Controller Family



MBC-IQ



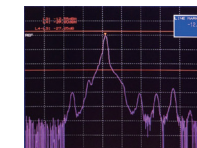
16 QAM
constellation diagram



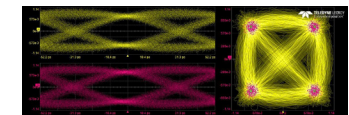
16-QAM experiment result *



MBC-DPIQ



SSB Carrier
Supression Ratio: 40dB



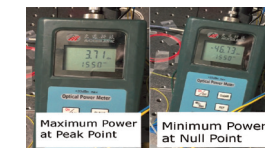
QPSK experiment result *

* Experiment result source:
Team of Prof. Wu Jian,
Optical network & optical signal
processing laboratory, Institute of
Information Photonics and Optical
Communications, BUPT.

MZ Modulator Bias Controller Family



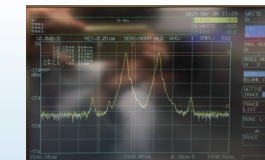
MBC-MZM



Max. Static Extinction
Ratio: 50.4dB



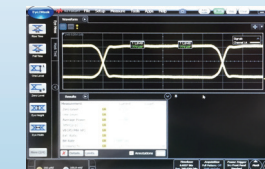
MBC-NUL



Carrier Supression
Ratio: 43dB



MBC-Q



PRBS Transmission



MBC-HF