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MODULATOR BIAS CONTROLLER - CHIP SIZE SINGLE FUNCTION

PRELIMINARY

Features

- Single-function unit with Q+/Q-, Null/Peak options
- Low profile (1.8" x 0.8" x 0.5")
- Access for external photo-detector

Product Description

The Chip size MBC is a single-function chip-size OEM version of the Modulator Bias Controller (MBC) family. It is designed especially for digital system applications. The small size of the board makes it easy to be integrated into the system. Chip size MBC is designed to lock the working point of the modulator at positive slope quadrature (quad+), negative slope quadrature (quad-), null or peak points of its characteristic curve respectively. The locking mode and slope has to be specified before ordering. The Chip size MBC is designed to use the built-in PD of the modulator but the user may also use an external PD by soldering it to the MBC-Chip.





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Specifications

Parameters	Min.	Тур.	Max.
Input Signal Current (µA)	0.8		80
Locking Accuracy (Degree)		1	3
DC Bias Voltage (V)	-10		+10
Pilot Tone Frequency (kHz)		9.8	
Pilot Tone Amplitude Range ¹ (mV)		0-300	
VC DC Voltage (V)	-10		+10
Positive Power Supply (V)	10	12	+15

Parameters	Min.	Тур.	Max.
Negative Power Supply (V)	-10	-12	-15
Positive Supply Current (mA)			20
Negative Supply Current (mA)			20
Operating Temperature (°C)	0–70		
Storage Temperature (°C)	-40-80		
Dimension L x W x H (inch)	1.8 x 0.8 x 0.5		

¹ Manually adjustable.





