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LM567C Product Folder

Tone Decoder

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Datasheet

Title	Size in Kbytes	Date	 View Online	 Download	 Receive via Email
LM567 LM567C Tone Decoder	296 Kbytes	24-Jun-99	View Online	Download	Receive via Email

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Package Availability, Models, Samples & Pricing

Part Number	Package		Status	Models		Samples & Electronic Orders	Budgetary Pricing		Std Pack Size	Package Marking
	Type	# pins		SPICE	IBIS		Qty	\$US each		
LM567CM	SOIC NARROW	8	Full production	N/A	N/A	24hr Samples Buy Now	1K+	\$0.2100	rail of 95	[logo]¢2¢T LM 567CM
LM567CMX	SOIC NARROW	8	Full production	N/A	N/A	Buy Now	1K+	\$0.2100	reel of 2500	[logo]¢2¢T LM 567CM
LM567CN	MDIP	8	Full production	N/A	N/A	Buy Now	1K+	\$0.2100	rail of 40	[logo]¢U¢Z¢ 2¢T LM 567CN
LM567C MDC	Die		Full production	N/A	N/A	Samples			tray of N/A	-
LM567C MWC	Wafer		Full production	N/A	N/A				wafer jar of N/A	-

General Description

The LM567 and LM567C are general purpose tone decoders designed to provide a saturated transistor switch to ground when an input signal is present within the passband. The circuit consists of an I and Q detector driven by a voltage controlled oscillator which determines the center frequency of the decoder. External components are used to independently set center frequency, bandwidth and output delay.

Features

- 20 to 1 frequency range with an external resistor
- Logic compatible output with 100 mA current sinking capability
- Bandwidth adjustable from 0 to 14%
- High rejection of out of band signals and noise
- Immunity to false signals
- Highly stable center frequency
- Center frequency adjustable from 0.01 Hz to 500 kHz

Applications

- Touch tone decoding
- Precision oscillator
- Frequency monitoring and control
- Wide band FSK demodulation
- Ultrasonic controls
- Carrier current remote controls
- Communications paging decoders

[Information as of 15-Jul-2002]

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