





# MC33178

MC33178/9 PNP 420µA NPN /MC33178/9 DIP SOIC

- 600 W Output Drive Capability
  - Large Output Voltage Swing
  - Low Offset Voltage: 0.15 mV (Mean)
  - Low T.C. of Input Offset Voltage: 2.0  $\mu$ V/°C
  - Low Total Harmonic Distortion: 0.0024% (@ 1.0 kHz w/600 W Load)
  - High Gain Bandwidth: 5.0 MHz
  - High Slew Rate: 2.0 V/ $\mu$ s
  - Dual Supply Operation: +/-2.0 V to +/-18 V
  - ESD Clamps on the Inputs Increase Ruggedness without Affecting Device Performance
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- Provides quality audio and data signal processing for applications.

	Pricing (\$/Unit)	Compliance	Status	Rail to Rail	Channels	V <sub>s</sub> Min (V)	V <sub>s</sub> Max (V)	I <sub>q</sub> Typ (mA)	V <sub>os</sub> Max (mV)	GBW Typ (MHz)	SR Typ (V/ $\mu$ s)	I <sub>o</sub> Typ (mA)	$\Delta$ V <sub>os</sub> / $\Delta$ T ( $\mu$ V/C)	e <sub>N</sub> (nV/ $\sqrt$ Hz)	I <sub>bias</sub> Typ (pA)	CMRR Typ (dB)	Architecture	Temperature Range (°C)	Package Type
MC33178DMR2G	0.3468	 	Active	No	2	4	36		3	5	2	80	2	7.5	100000	110	Bipolar	-40 to 85	Micro8
MC33178DR2G	0.2488	 	Active	No	2	4	36		3	5	2	80	2	7.5	100000	110	Bipolar	-40 to 85	SOIC-8