

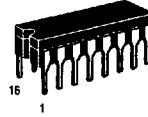
MOTOROLA
SEMICONDUCTOR ■ **MOTOROLA SC (TELECOM)**
TECHNICAL DATA

MC145414

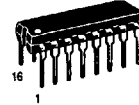
Dual Tunable Low-Pass Sampled Data Filters

The MC145414 is sampled data, switched capacitor filter IC intended to provide band limiting and signal restoration filtering. It is capable of operating from either a single or split power supply and can be powered-down when not in use. Included on the IC are two totally uncommitted op amps for use elsewhere in the system as I-to-V converters, gain adjust buffers, etc.

- Two General Purpose 5th Order Elliptic Low-Pass Filters
- Low Operating Power Consumption — 30 mW (Typical)
- Power Down Capability — 1 mW (Maximum)
- ± 5 to ± 8 V Power Supply Ranges
- TTL or CMOS Compatible Inputs Using V_{LS} Pin
- Two Operational Amplifiers Available to Reduce Component Count
- Useful in LPC or CVSD Speech Applications
- Passband Edges Tunable With Clock Frequency From 1.25 kHz to 10 kHz



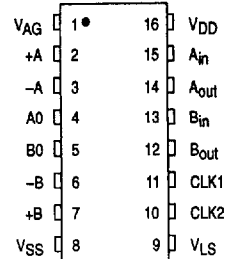
L SUFFIX
CERAMIC
CASE 620



P SUFFIX
PLASTIC
CASE 648

**NOT
 RECOMMENDED
 FOR NEW DESIGN**

PIN ASSIGNMENT



ORDERING INFORMATION

MC145414 Suffix Denotes
 └── L Ceramic Package
 └── P Plastic Package

BLOCK DIAGRAM

