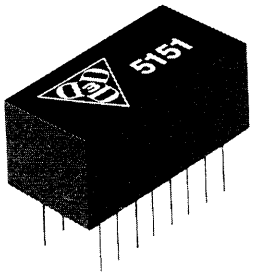
16 Pins-DIP-Active Filters

SERIES: 5151 & 5353

data delay devices, inc.



Features:

- **Fits standard 16 pins DIP socket.**
- **No trimming required. Ready to work.**
- **Low profile.**
- **Low cost.**
- **Fast delivery.**
- **Very stable.**
- **Lossless.**

Specifications:

- **Transfer characteristics:** Butterworth.
- **Gain in pass-band:** 0 db ± .2 db.
- **Cut-off frequency accuracy:** ±2% @ −3 db.
- **Maximum input voltage:** 10 volts peak.
- **Skirt Attenuation:** 24 db/octave.
- **DC drift:** 20uV/°C typical.
- **Supply Voltage:** ±15V typical (±9V to ±18V operational).
- **Temperature range:** 0°C to +70°C (standard); −55°C to +125°C (on request).
- **Temperature Coefficient:** .03%/°C. Better on request.
- **Power Consumption:** 200MW Maximum.

For commercial temperature range Add "C3" to the end of the part number. i.e. 5151-400C3

For military temperature range Add "MC3" i.e. 5151-400MC3

LOW-PASS FILTERS			
Part No.	**3 db — Frequency (HZ)**	**Part No.**	**3 db — Frequency (HZ)**
5151-1	1	5151-400	400
5151-10	10	5151-1,000	1,000
5151-20	20	5151-1,200	1,200
5151-40	40	5151-2,500	2,500
5151-50	50	5151-4,000	4,000
5151-100	100	5151-5,000	5,000
5151-200	200	5151-20,000	20,000
HIGH-PASS FILTERS			
5353-10	10	5353-2,500	2,500
5353-100	100	5353-3,250	3,250
5353-160	160	5353-4,000	4,000
5353-400	400	5353-13,000	13,000
5353-500	500	5353-16,000	16,000
5353-1,000	1,000	5353-20,000	20,000
5353-1,800	1,800		

NOTE: The above table gives only a small number of designs available. Many other designs are available on request. Any frequency from 1HZ to 25KHZ can be selected. To make a part number, simply use the basic series number and cut-off frequency.

Ex.: 1. Low-pass filter, 3 db @ 9KHZ
Part No. 5151-9000
2. High-pass filter, 3 db @ 8KHZ
Part No. 5353-8000