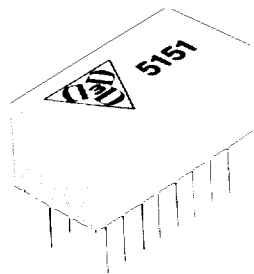


# 16 Pins-DIP-Active Filters

SERIES: 5151 & 5353



## 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  $\pm$  .2 db.
- **Cut-off frequency accuracy:**  $\pm$  2% @ -3 db.
- **Maximum input voltage:** 10 volts peak.
- **Skirt Attenuation:** 24 db/octave.
- **DC drift:** 20uV/ $^{\circ}$ C typical.
- **Supply Voltage:**  $\pm$ 15V typical ( $\pm$ 9V to  $\pm$ 18V operational).
- **Temperature range:** 0 $^{\circ}$ C to +70 $^{\circ}$ C (standard); -55 $^{\circ}$ C to +125 $^{\circ}$ C (on request).
- **Temperature Coefficient:** .03%/ $^{\circ}$ C. Better on request.
- **Power Consumption:** 200MW Maximum.

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

