

T-64-05



**790 SERIES
ORDERING INFORMATION**

HOW TO ORDER

The KEY SPECIFICATION SELECTION GUIDE below displays the key specifications that separate basic 790 Series models from one another. Each of the sixteen basic models combines a unique set of gain, phase and corner frequency tolerances, operating frequencies, transfer characteristics, DC offset and power consumption.

Knowing his system requirements for active filter performance, the user can select from the GUIDE the 790 Series model that fits his needs.

The user must specify the number of poles and the desired corner frequency. This is easily achieved by modifying the model number listed in the GUIDE in the following ways:

- a) Replace the "*" designator in the model number with a 2, 4, 6, or 8 for the number of poles.
- b) Replace the "fc" suffix in the model number with a simple corner frequency code.

The code specifies the corner frequency in Hertz (Hz), and substitutes the letter k for the thousand's comma. The example below illustrates the simplicity of the method:

Example: The model number 793LT-B-12k3 designates an 8-pole Bessel filter with a $\pm 5\%$ (max) corner frequency tolerance and a $\pm 2\text{mV}$ (typ) output offset. The corner frequency is 12,300 Hz (12.3kHz).

Mating sockets are described in PACKAGE AND PIN-OUT DATA. To order, list each as separate purchase order line items.

KEY SPECIFICATION SELECTION GUIDE

RESPONSE		Fc TOLERANCE (%. max)	OUTPUT OFFSET (mV. typ)	Fc RANGE
BUTTERWORTH	BESSEL			
790BT - * - fc 791BT - * - fc	790LT - * - fc 791LT - * - fc	See Table 2 See Table 2	2 2	100Hz-50kHz 100Hz-50kHz
792BT - * - fc 793BT - * - fc 794BT - * - fc 795BT - * - fc	792LT - * - fc 793LT - * - fc 794LT - * - fc 795LT - * - fc	3 5 3 5	2 2 10 10	100Hz-50kHz 100Hz-50kHz 100Hz-50kHz 100Hz-50kHz
796BT - * - fc 797BT - * - fc	796LT - * - fc 797LT - * - fc	1 3	2 2	100Hz-20kHz 100Hz-20kHz

* Insert number of poles (2, 4, 6, 8).

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