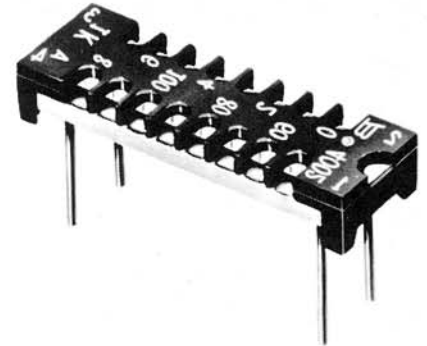
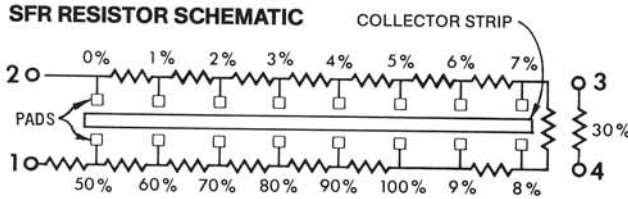
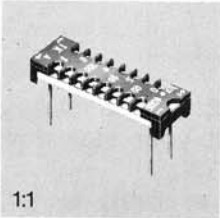


BOURNS SFR™

SELECTABLE FIXED RESISTOR

The Bourns SFR Resistor is a thick film resistor with a series of 1% and 10% taps fired on a ceramic substrate. The final resistance of the SFR Resistor can be selected by connecting the appropriate pair of 10% and 1% tapped resistor segments to the collector strip.



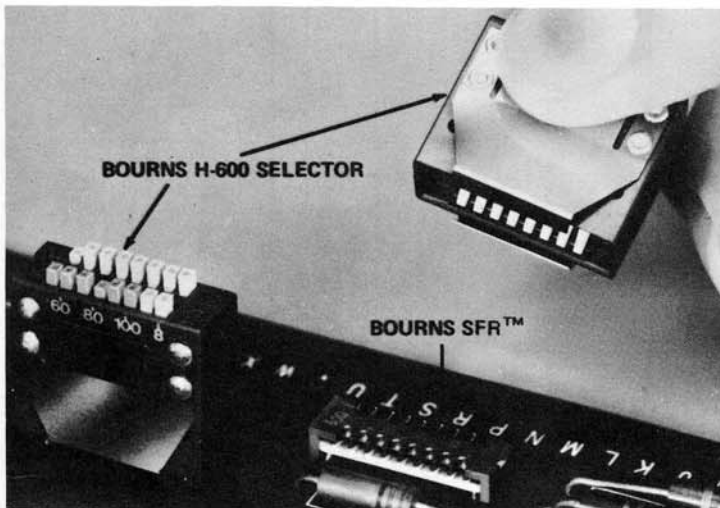
Select from 90 Resistance Values in a Single Package

- Adjustability of $\pm 1\%$, or better, without pressure-type contacts or moving parts.
- Ability to select and permanently set a precise resistance value at any point in the adjustment range with an accuracy of 1% or better.
- Provides functional printed circuit board adjustment for optimum tuning after final component assembly.
- Exhibits the stability of a fixed metal film resistor.
- Exhibits temperature coefficient of ± 50 PPM average.
- Replaces large inventory of precision fixed resistors. Eliminates precise selection of individual resistors.
- Occupies board area equal to $\frac{1}{2}$ watt industrial metal film resistor.
- Fifteen standard values of the Model 4002 cover a resistance range from 33 ohms to 1.25 megohms in selectable steps of 1% or less.
- Has short circuit protection because minimum resistance setting is approximately $\frac{1}{2}$ of nominal resistance.

Standard Resistance Ranges

NOMINAL RESISTANCE Ω	TERMINAL CONNECTION (RANGE)	GUARANTEED SELECTION RANGE Ω	NOMINAL RESISTANCE Ω	TERMINAL CONNECTION (RANGE)	GUARANTEED SELECTION RANGE Ω	NOMINAL RESISTANCE Ω	TERMINAL CONNECTION (RANGE)	GUARANTEED SELECTION RANGE Ω
60	NORMAL Extended	33-60 48-75	2000	NORMAL Extended	1100-2000 1780-2500	64,000	NORMAL Extended	35.2K-64K 57K-80K
130	NORMAL Extended	72-130 116-163	4000	NORMAL Extended	2200-4000 3560-5000	130,000	NORMAL Extended	72K-130K 116K-163K
250	NORMAL Extended	138-250 223-313	8000	NORMAL Extended	4400-8K 7120-10K	250,000	NORMAL Extended	138K-250K 223K-313K
500	NORMAL Extended	275-500 445-625	16,000	NORMAL Extended	8800-16K 14.2K-20K	500,000	NORMAL Extended	275K-500K 445K-625K
1000	NORMAL Extended	550-1000 890-1250	32,000	NORMAL Extended	17.6K-32K 28.5-40K	1,000,000	NORMAL Extended	550K-1000K 890K-1250K

MODEL H-600 SFR™ SELECTOR



FEATURES

- The Model H-600 selector simplifies manual probing of individual solder pads on the SFR resistor.
- Provides easy differentiation between coarse (yellow buttons) and fine (white buttons) resistance adjustment increments.
- Selector operations can be accomplished with a ball point pen or similar pointed object.
- When locked into position, the buttons serve as «flags» to identify pads to be soldered after the selector is removed from the SFR resistor.
- The selector is engineered to withstand continuous use as an adjustment tool in a production line environment.

Current Rating 125 milliamps
 Contact Resistance 100 milliohms maximum total
 for two contacts
 Dielectric Strength .500 VDC per Mil-Std-202 Method 301
 Insulation Resistance 1K Megohms at 500 VDC