

# PRECISION THIN FILM CHIP ARRAYS

## STF SERIES



RESISTORS • CAPACITORS • COILS • DELAY LINES



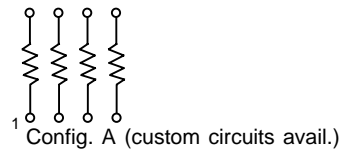
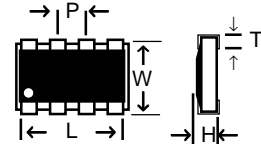
### FEATURES

- ☐ Exceptional performance & stability!
- ☐ TC to 5ppm, TC tracking to 2ppm, low noise
- ☐ Tolerance to 0.1%, matching to 0.02%
- ☐ 4 resistors per array reduces mounting costs
- ☐ Custom schematics and multiple values available

### SPECIFICATIONS

Resistance Range	100Ω to 24KΩ (extended range available)
Absolute Tolerance	±0.1% (std), 0.25%, 0.5%, 1%
Matching/ Ratio Tolerance	Available to 0.02%
Absolute TC	+/-5ppm/ deg C (std), 10ppm, 25ppm
Tracking TC	Available to 2ppm
Individual Power Rating	62mW
Package Power Rating	0.25W

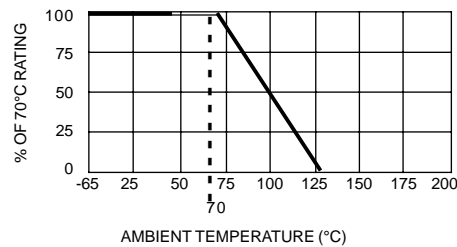
STF2020



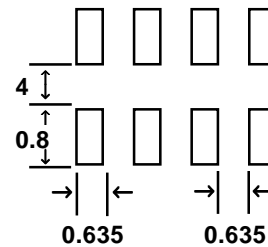
RCD Type	Config	Wattage per Resis.Element	Working Voltage	L ±.01 [ .25]	W±.008 [ .2]	P±.008 [ .2]	H Max	T typ.
STF2020	A	62mW	80V	.197 [5]	.197 [5]	.050 [1.27]	.039 [1]	.032 [0.8]

### POWER DERATING

(derate from full rated power at 70°C to zero power at 125 °C)



### SUGGESTED PAD LAYOUT (mm)



### TYPICAL PERFORMANCE CHARACTERISTICS

Operating Temp. Range	-65°C to +125°C
Short time Overload (2.5X rated W, 5 sec)	±0.05%
Resistance to Solder Heat (260°C, 10 sec)	±0.05%
Moisture Res. (90-95% RH, 40°C, 100 hrs)	±0.1%
Temp. Cycling (-65 to +125°C, 5 cycles)	±0.1%
Load Life (1000 hrs at rated W <sub>25</sub> )	±0.1%
Insulation Resistance	10,000 Megohm

**P/N DESIGNATION: STF2020 A □ - 1002 - B Q 52 W T**

**RCD Type** \_\_\_\_\_

**Config:** A \_\_\_\_\_

**Option** (leave blank if standard) \_\_\_\_\_

**Res.Code** 3 sig. figures & multiplier (1000=100Ω, 1001=1KΩ, 1002 = 10KΩ, etc) \_\_\_\_\_

**Tolerance Code:** B= 0.1%, C= .25%, D=.5%, F=1% \_\_\_\_\_

**Ratio Tolerance:** Q=0.02%, A=0.05%, Z=0.1% (leave blank if not required) \_\_\_\_\_

**TC:** 25=25ppm, 205=25ppm abs/5ppm track, 10=10ppm, 105=10ppm abs/5ppm track, 102=10ppm abs/2ppm track, 5=5ppm, 52=5ppm abs/2ppm track

**Termination:** W= RoHS (Tin plated Ni) \_\_\_\_\_

**Packaging:** B = Bulk, T = Tape & Reel \_\_\_\_\_

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FA115 Sale of this product is in accordance with GF-061. Specifications subject to change without notice.