

PRECISION THIN FILM CHIP ARRAYS

STF SERIES



RCD
RESISTORS • CAPACITORS • COILS • DELAY LINES



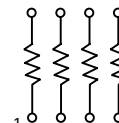
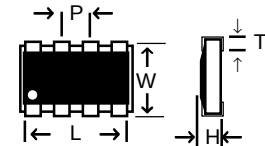
FEATURES

- ❑ 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

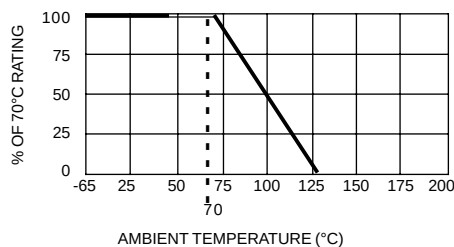


1 Config. A (custom circuits avail.)

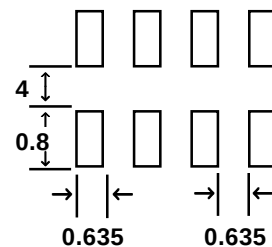
RCD Type	Config	Wattage per Resis.Element	Working Voltage	L ±.01 [.25]	W±.008 [.2]	P±.008 [.2]	H Max	T typ.
STF2020	A	62mW	80V	.197 [5]	.197 [5]	.050 [1.27]	.039 [1]	.032 [0.8]

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 ₂₅)	±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

RCD Components Inc., 520 E. Industrial Park Dr., Manchester, NH, USA 03109

Tel: (603) 669-0054 Fax: (603) 669-5455 E-mail: sales@rcdcomponents.com www.rcdcomponents.com

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