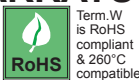
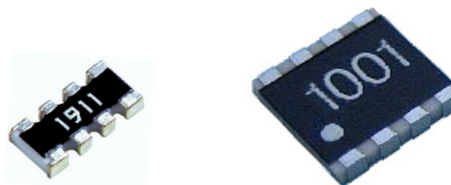


PRECISION THIN FILM CHIP ARRAYS

STF SERIES



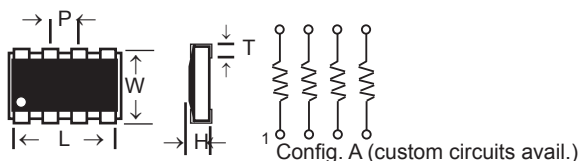
- ☐ Exceptional performance & stability!
- ☐ TC to 5ppm, TC tracking to 2ppm
- ☐ Tolerance to 0.05%, matching to 0.01%
- ☐ 4 resistors per array reduces mounting costs
- ☐ Custom schematics and multiple values available



SPECIFICATIONS	STF1	STF2
Resistance Range ¹	24.9Ω to 100KΩ	100Ω to 24KΩ
Absolute Tolerance	±0.1%, 0.25%, 0.5%, 1%	±0.05%, 0.1%, 0.25%
Optional Matching Tolerance	0.1%, 0.25%, 0.5%	0.01%, 0.02%, 0.05%, 0.1%
Optional Marking	4-digit resistance code available	

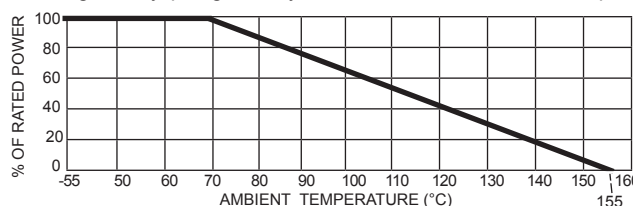
¹ Consult factory for extended range

DIMENSIONS



DERATING CURVE

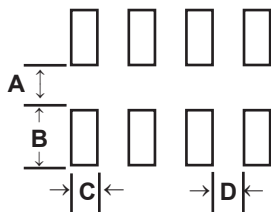
Resistors may be operated up to full rated power with consideration of mounting density, pad geometry, PCB material, and ambient temperature.



RCD Type	Config	Wattage per Resis. Element	Wattage per Package	Working Voltage	Resis. Range	Absolute TC (ppm/°C)	Tracking TC (Opt.)	L ±.01 [.25]	W ±.008 [.2]	P ±.008 [.2]	H Max	T typ.
STF1	A	15.6mW	.0625W	50V	24.9Ω to 2KΩ	±10ppm, ±15ppm	15ppm	.126 [3.2]	.063 [1.6]	.031 [.80]	.026 [.65]	.012 [.30]
					24.9Ω to 100KΩ	±25ppm, ±50ppm	15, 25, 50ppm					
STF2	A	62mW	0.25W	80V	100Ω to 24KΩ	±5ppm, ±10ppm, ±25ppm	2, 5, 10ppm	.197 [5]	.197 [5]	.050 [1.27]	.039 [1]	.032 [0.8]

*Limited resistance range

SUGGESTED PAD LAYOUT (mm)



RCD Type	A	B	C	D
STF1	0.8	1.0	0.45	0.35
STF2	3.0	1.5	0.635	0.635

TYPICAL PERFORMANCE CHARACTERISTICS

Operating Temp. Range	-55°C to +155°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:

