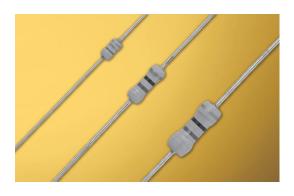


SNF

coat-insulated metal film fixed resistors

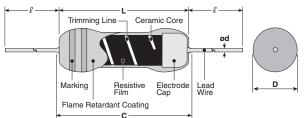




features

- Flame retardant coating (Equivalent to UL94 V-0)
- · Automatic insertion is applicable
- · Various types of formings are available
- · Products meet EU RoHS requirements

dimensions and construction



		Dimensions inches (mm)						
	Туре	L	C (max.)	D	d (nom.)	Standard	Long	
SI	NF2C	.126±.008 (3.2±0.2)	.134 (3.4)	.067 +.008 004 (1.7 +0.2)	.018 (0.45)	.551 Min.* .787 Min.**		
SI	NF2E	.240±.02 (6.1±0.5)	. 280 (7.1)	.092±.012 (2.3±0.3)	.024 (0.6)	(14.0 Min.)	(20.0 Min.)	
SI	NF2H	.354±.039 (9.0±1.0)	. 433 (11.0)	.138±.02 (3.5±0.5)	.028 (0.7)	.787 Min. (20.0 Min.)	_	

^{*} Forming code S is applied for bulk type.

ordering information

SNF	2E	С			
Туре	Power Rating	Termination Surface Material			
	2C: 0.25W	C: SnCu			
	2E: 0.25W				
	2H: 0.5W				
Contact KOA when you have control request					

Contact KOA when you have control request for environmental hazardous material other than the substance specified by EU RoHS.

Taping & Forming
S: Standard
Nil: Long
SNF2CC: S, Nil, T26, T52. M5F
SNF2EC: S, Nil, T26, T52, M10F, M12.5R
SNF2HC: Nil, T52, M12.5K, M15K

T52

Δ
Packaging
A: Ammo
R: Reel
Nil: Box

100	
Nominal Resistance	
3 digits	

F					
Resistance Tolerance					
J: ±5%					

For further information on packaging, please refer to Appendix C.

^{**} Long type is custom-made

^{***} Lead length changes depending on taping and forming type





coat-insulated metal film fixed resistors

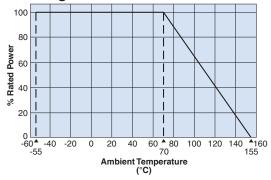
applications and ratings

Part Designation	Power Rating	Resistance Range (Ω) J: ±5% E24	T.C.R. (x10°/K)	Maximum Working Voltage	Maximum Overload Voltage	Dielectric Withstanding Voltage	Rated Ambient Temp.	Operating Temp. Range
SNF2CC	0.25W -	0.47 - 9.1				300V		
SNF2EC		+350450	$E = \sqrt{PxR} (V) \qquad Ex2.5 (V)$	Ex2.5 (V)	500V	+70°C	-55°C to +155°C	
SNF2HC		0.47 - 100				700V		1133 0

Rated voltage = $\sqrt{\text{Power Rating x Resistance Value}}$

environmental applications





For resistors operated at an ambient temperature of 70°C or above, a power rating shall be derated in accordance with the above derating curve.

Performance Characteristics

	Requirement Δ	R ±(% + 0.05Ω)			
Parameter	Limit	Typical	Test Method		
Resistance	Within specified tolerance	_	25°C		
T.C.R.	Within specified T.C.R.	_	+25°C/+125°C		
Overload (Short time)	±1%	±0.5%	Rated voltage x 2.5 or max. overload voltage, whichever is lower, for 5 seconds		
Resistance to Solder Heat	±1%	±0.5%	260°C ±5°C, 10 seconds ± 1 second, 350°C ± 10°C, 3.5 seconds ± 0.5 second		
Terminal Strength	No lead-coming off and loose terminals	_	Twist 360°C, 5 times		
Rapid Change of Temperature	±1%	±0.5%	-55°C (30 minutes)/ +125°C (30 minutes), 5 cycles		
Moisture Resistance	±5%	±2.5%	40°C ± 2°C, 90 - 95% RH, 1000 hours, 1.5 hr ON/0.5 hr OFF cycle		
Endurance at 70°C	±3%	±1.5%	70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle		
Resistance to Solvent	No abnormality in appearance. Marking shall be easily legible.	_	Ultrasonic washing with Isopropyl alcohol for 2 minutes. Power: 0.3W/cm², f: 28kHz, Temp: 35°C±5°C		
Flame Retardant	No evidence of flaming or self-flaming	_	Flame test: The test flame shall be applied and removed for each 15 seconds respectively to repeat the cycle 5 times. Overload flame retardant: AC Voltage corresponding to 2, 4, 8, 16 and 32 times the power rating shall be applied for each 1 minute until disconnection occurs. However the applied voltage shall not exceed 4 times the maximum operating voltage.		

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

11/14/23