

# 1206 Fast Acting SMD Fuses

## 12.000 Series



### Description

12.000 Series are the fuses set the industry standard for performance, reliability and quality. The solder-free design provides excellent on-off and temperature cycling characteristics during use and also makes our SMD fuses more heat and shock tolerant than typical subminiature fuses.



Electrical Characteristics			
Rated Current	1.0In	2.5In	3.5In
250mA~5A	4 hour min.	5 sec max.	-
6A~30A		-	5 sec max.

### Features

- Rapid interruption of excessive current
- Compatible with reflow and wave solder
- Ceramic and glass construction
- One time positive disconnect
- Lead Free and Halogen free material

### Specifications

Part No.	Rated Voltage DC		Rated Current (A)	Breaking Capacity <sup>1</sup>			Typical Cold Resistance (mOhms) <sup>2</sup>	Typical Voltage Drop (mV)	Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec) <sup>3</sup> DC	Alpha Marking
				72V	32V	24V				
12.000.0.25	72V	32V	250mA	50A	50A	150A	3608	1407	0.0004	.25
12.000.0.375			375mA				1882	718	0.0008	E
12.000.0.5			500mA				1028	650	0.0022	0.5
12.000.0.75			750mA				601	616	0.0057	.75
12.000.1			1A				490	510	0.10	H
12.000.1.25			1.25A				165	184	0.021	▲
12.000.1.5			1.5A				240	367	0.15	K
12.000.2			2A				144	316	0.41	N
12.000.2.5			2.5A				83	240	0.65	O
12.000.3			3A				53	187	1.39	P
12.000.3.5			3.5A				40	180	1.68	R
12.000.4			4A				35	173	1.73	S
12.000.4.5			4.5A				27	164	2.62	X
12.000.5			5A				22	141	2.89	T
12.000.6.5			6.5A				16	140	3.4	6.5
12.000.7	7A	12	140	5.68	7					
12.000.10	10A	4.4	59	2.16	10					
12.000.12	12A	3.8	67	7.11	12					
12.000.15	15A	2.9	66	23.89	15					
12.000.20	20A	200A	1.6	60	47.17	20				
12.000.25	25A	250A	1.4	57	32	25				
12.000.30	30A	300A	1	68	43	30				

\* DC Interrupting Rating (Measured at rated voltage, time constant of less than 50 microseconds, battery source)

\* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C

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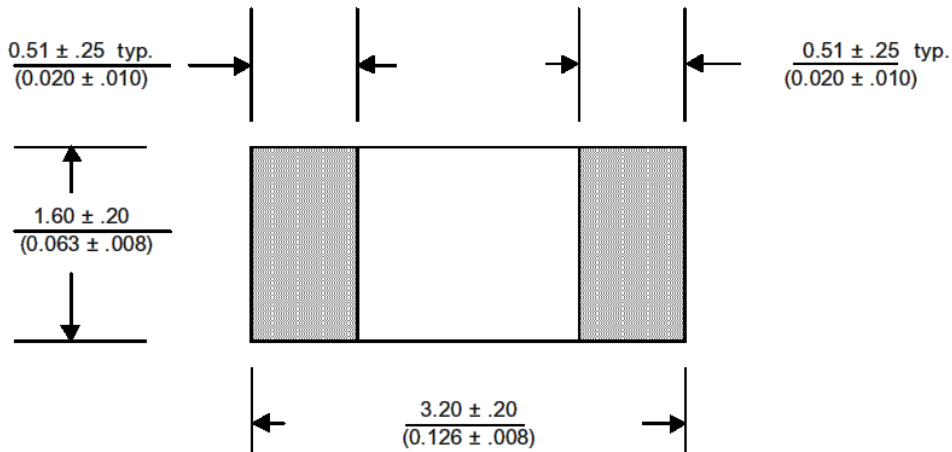


\* Typical Pre-arching  $I^2t$  are measured at 10In Current

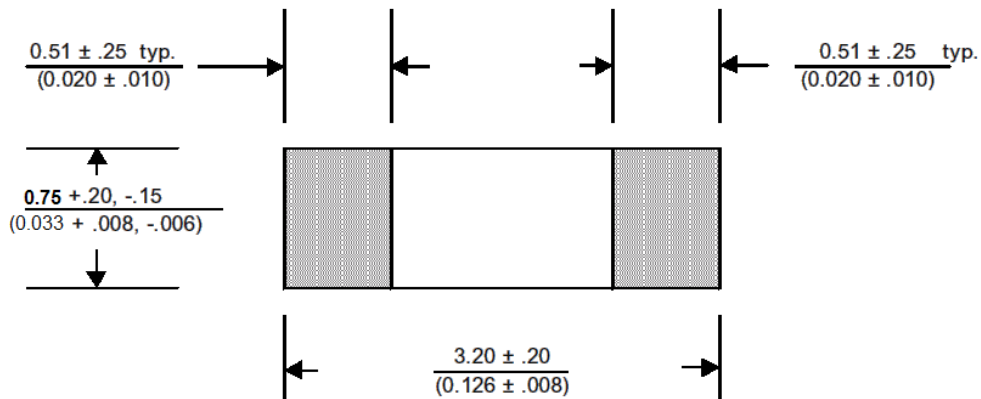
### Dimension

Drawing not to scale (Unit: mm)

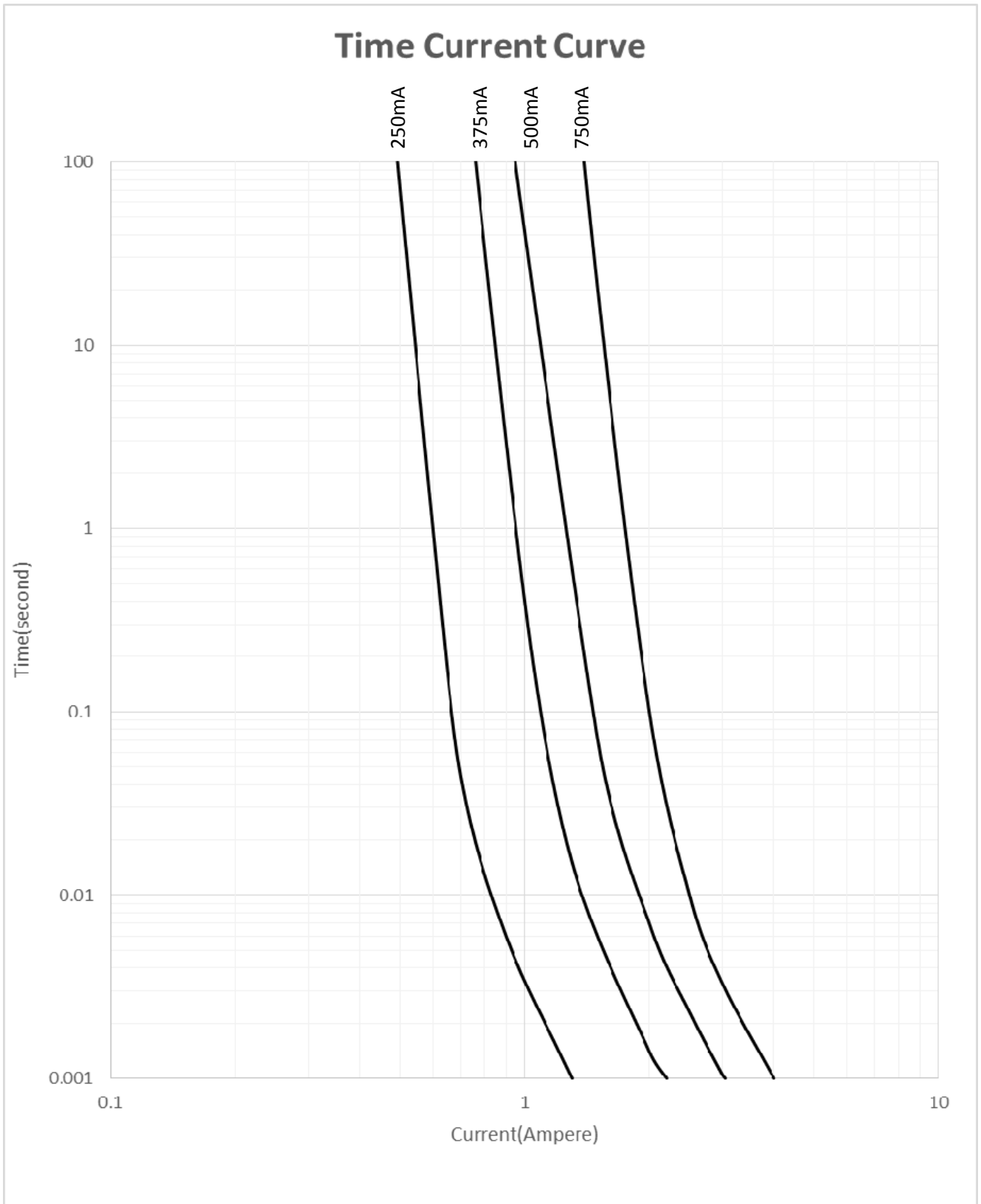
Top view



Side view

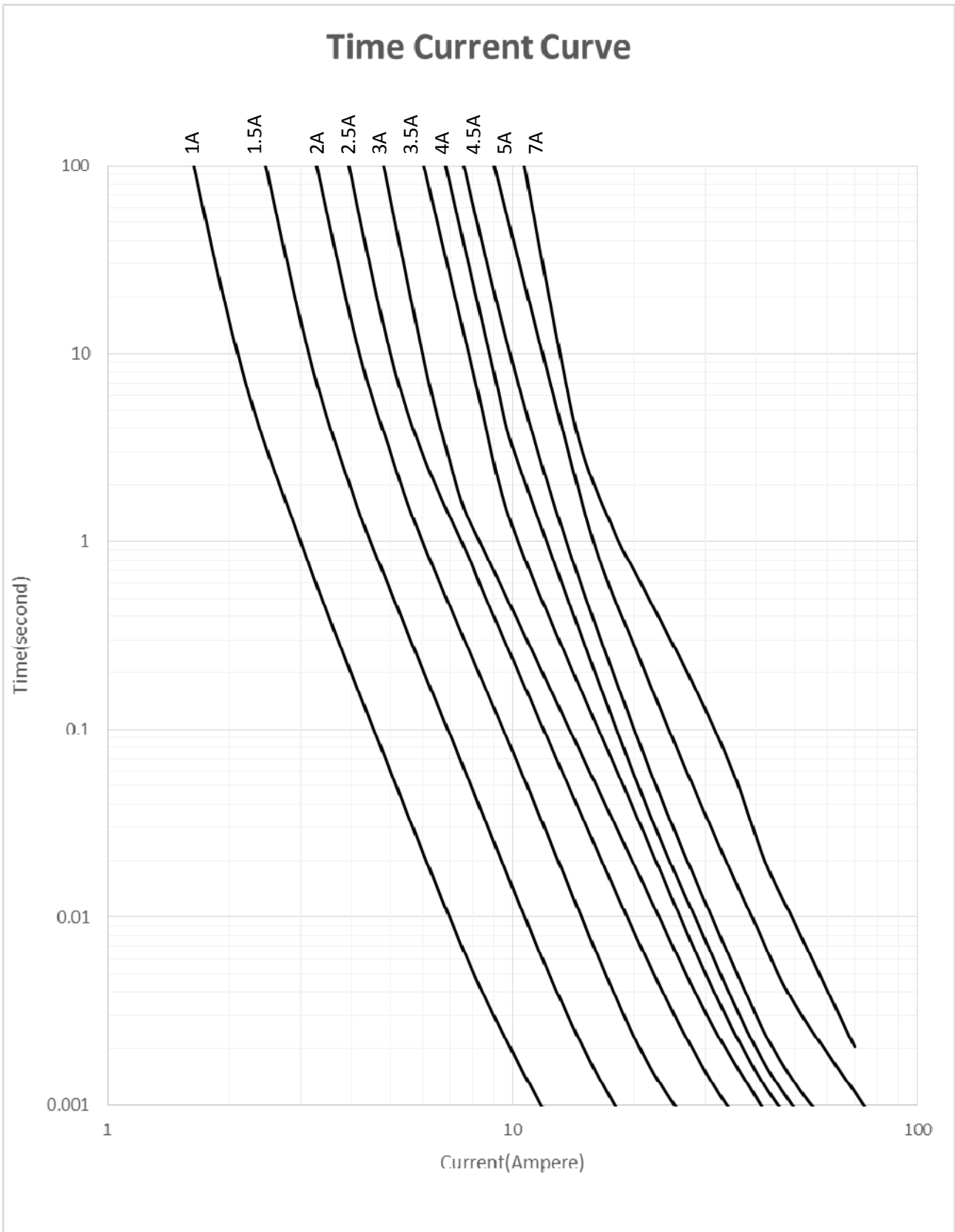


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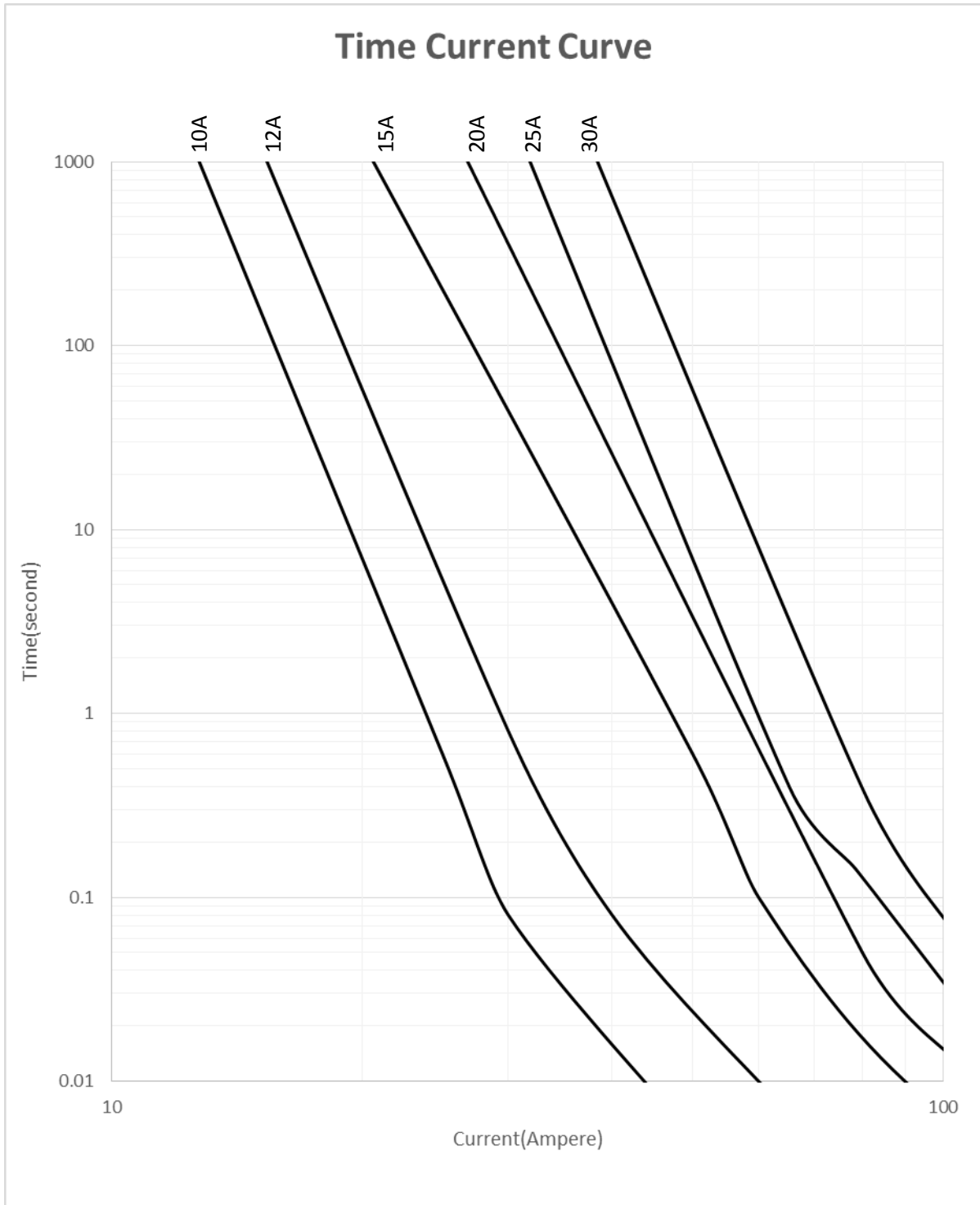


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