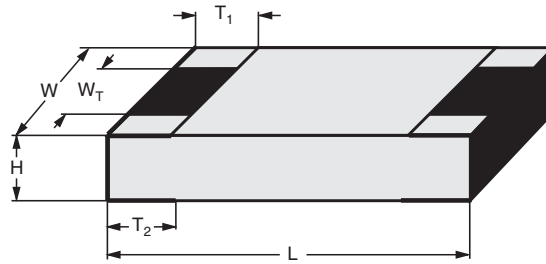
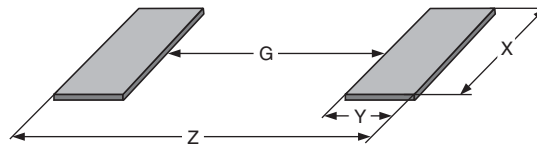


## DIMENSIONS



DIMENSIONS - Chip fuse types, mass and relevant physical dimensions							
TYPE	H (mm)	L (mm)	W (mm)	WT (mm)	T <sub>1</sub> (mm)	T <sub>2</sub> (mm)	MASS (mg)
MFU 0402	0.32 ± 0.07	1.0 ± 0.05	0.5 ± 0.05	> 75 % of W	0.2 + 0.1/- 0.15	0.2 ± 0.1	0.65
MFU 0603	0.45 + 0.1/- 0.05	1.55 ± 0.05	0.85 ± 0.1	> 75 % of W	0.3 + 0.15/- 0.2	0.3 + 0.15/- 0.2	1.9
MFU 0805	0.45 + 0.1/- 0.05	2.0 ± 0.1	1.25 ± 0.15	> 75 % of W	0.4 + 0.1/- 0.2	0.4 + 0.1/- 0.2	4.7
MFU 1206	0.55 ± 0.1	3.2 + 0.1/- 0.2	1.6 ± 0.15	> 75 % of W	0.5 ± 0.25	0.5 ± 0.25	9.5

## SOLDER PAD DIMENSIONS



RECOMMENDED SOLDER PAD DIMENSIONS								
TYPE	WAVE SOLDERING				REFLOW SOLDERING			
	G (mm)	Y (mm)	X (mm)	Z (mm)	G (mm)	Y (mm)	X (mm)	Z (mm)
MFU 0402	-	-	-	-	0.35	0.55	0.55	1.45
MFU 0603	0.55	1.10	1.10	2.75	0.65	0.70	0.95	2.05
MFU 0805	0.80	1.25	1.50	3.30	0.90	0.90	1.40	2.70
MFU 1206	1.40	1.50	1.90	4.40	1.50	1.15	1.75	3.80

### Note

- The given solder pad dimensions reflect the considerations for board design and assembly as outlined e.g. in standards IEC 61188-5-x, or in publication IPC-7351. They do not guarantee any supposed thermal properties, particularly as these are also strongly influenced by many other parameters.



MFU 0402 RATING - Very quick acting (FF)										
SIZE	FUSE CHAR.	RATED CURRENT <sup>(1)</sup>	RATED VOLTAGE	PRE-ARCING <sup>(2)</sup> $I^2t$ at $10 \times I_R$	VOLT. DROP <sup>(2)</sup> at $1 \times I_R$	COLD RESIS <sup>(2)</sup> at $0.1 \times I_R$	BREAKING CAPACITY DC	MARK.	APPROVAL	PART NUMBER <sup>(3)(4)</sup>
0402	FF	500 mA <sup>(5)</sup>	32 V	0.0009 A <sup>2</sup> s	368 mV	560 mΩ	50 A at 32 V	-	UL	MFU0402FF00500E500
		630 mA <sup>(5)</sup>	32 V	0.0014 A <sup>2</sup> s	331 mV	400 mΩ	50 A at 32 V	-	UL	MFU0402FF00630E500
		750 mA <sup>(5)</sup>	32 V	0.0020 A <sup>2</sup> s	275 mV	280 mΩ	50 A at 32 V	-	UL	MFU0402FF00750E500
		800 mA	32 V	0.0023 A <sup>2</sup> s	231 mV	220 mΩ	50 A at 32 V	-	UL	MFU0402FF00800E500
		1.0 A	32 V	0.0028 A <sup>2</sup> s	184 mV	140 mΩ	50 A at 32 V	-	UL	MFU0402FF01000E500
		1.25 A	32 V	0.0039 A <sup>2</sup> s	159 mV	97 mΩ	50 A at 32 V	-	UL	MFU0402FF01250E500
		1.5 A	32 V	0.0059 A <sup>2</sup> s	146 mV	74 mΩ	50 A at 32 V	-	UL	MFU0402FF01500E500
		1.6 A	32 V	0.0065 A <sup>2</sup> s	136 mV	65 mΩ	50 A at 32 V	-	UL	MFU0402FF01600E500
		1.75 A	32 V	0.0077 A <sup>2</sup> s	124 mV	54 mΩ	50 A at 32 V	-	UL	MFU0402FF01750E500
		2.0 A	32 V	0.0101 A <sup>2</sup> s	115 mV	44 mΩ	50 A at 32 V	-	UL	MFU0402FF02000E500
		2.5 A	32 V	0.0157 A <sup>2</sup> s	107 mV	33 mΩ	50 A at 32 V	-	UL	MFU0402FF02500E500
		3.0 A	32 V	0.0227 A <sup>2</sup> s	95 mV	24 mΩ	50 A at 32 V	-	UL	MFU0402FF03000E500
3.15 A	32 V	0.0250 A <sup>2</sup> s	90 mV	22 mΩ	50 A at 32 V	-	UL	MFU0402FF03150E500		

**Notes**

- (1) Other values of rated current are available on request
- (2) Typical values
- (3) For packages with 1000 pieces, please use for packaging E1 instead of E5
- (4) For packages with 10 000 pieces, please use for packaging E0 instead of E5
- (5) Available on request

MFU 0603 RATING - Very quick acting (FF)										
SIZE	FUSE CHAR.	RATED CURRENT <sup>(6)</sup>	RATED VOLTAGE	PRE-ARCING <sup>(7)</sup> $I^2t$ at $10 \times I_R$	VOLT. DROP <sup>(7)</sup> at $1 \times I_R$	COLD RESIS <sup>(7)</sup> at $0.1 \times I_R$	BREAKING CAPACITY DC	MARK.	APPROVAL	PART NUMBER <sup>(8)(9)</sup>
0603	FF	500 mA	32 V	0.0009 A <sup>2</sup> s	361 mV	550 mΩ	50 A at 32 V	F	UL/IEC	MFU0603FF00500P500
		630 mA	32 V	0.0014 A <sup>2</sup> s	331 mV	400 mΩ	50 A at 32 V	CT	UL	MFU0603FF00630P500
		750 mA	32 V	0.0020 A <sup>2</sup> s	258 mV	262 mΩ	50 A at 32 V	G	UL	MFU0603FF00750P500
		800 mA	32 V	0.0023 A <sup>2</sup> s	249 mV	237 mΩ	50 A at 32 V	CV	UL	MFU0603FF00800P500
		1.0 A	32 V	0.0028 A <sup>2</sup> s	223 mV	170 mΩ	50 A at 32 V	H	UL/IEC	MFU0603FF01000P500
		1.25 A	32 V	0.0039 A <sup>2</sup> s	180 mV	110 mΩ	50 A at 32 V	J	UL	MFU0603FF01250P500
		1.5 A	32 V	0.0059 A <sup>2</sup> s	155 mV	79 mΩ	50 A at 32 V	K	UL	MFU0603FF01500P500
		1.6 A	32 V	0.0065 A <sup>2</sup> s	159 mV	76 mΩ	50 A at 32 V	EF	UL/IEC	MFU0603FF01600P500
		1.75 A	32 V	0.0077 A <sup>2</sup> s	138 mV	60 mΩ	50 A at 32 V	L	UL	MFU0603FF01750P500
		2.0 A	32 V	0.0101 A <sup>2</sup> s	150 mV	57 mΩ	50 A at 32 V	N	UL/IEC	MFU0603FF02000P500
		2.5 A	32 V	0.0157 A <sup>2</sup> s	121 mV	37 mΩ	50 A at 32 V	O	UL	MFU0603FF02500P500
		3.0 A	32 V	0.0227 A <sup>2</sup> s	126 mV	32 mΩ	50 A at 32 V	P	UL	MFU0603FF03000P500
		3.15 A	32 V	0.0250 A <sup>2</sup> s	120 mV	29 mΩ	50 A at 32 V	EL	UL/IEC	MFU0603FF03150P500
		3.5 A	32 V	0.0308 A <sup>2</sup> s	106 mV	23 mΩ	50 A at 32 V	R	UL	MFU0603FF03500P500
		4.0 A	32 V	0.0403 A <sup>2</sup> s	100 mV	19 mΩ	50 A at 32 V	S	UL	MFU0603FF04000P500
5.0 A	32 V	0.2275 A <sup>2</sup> s	85 mV	13 mΩ	50 A at 32 V	T	UL	MFU0603FF05000P500		

**Notes**

- (6) Other values of rated current are available on request
- (7) Typical values
- (8) For packages with 1000 pieces, please use for packaging P1 instead of P5
- (9) For packages with 20 000 pieces, please use for packaging PW instead of P5