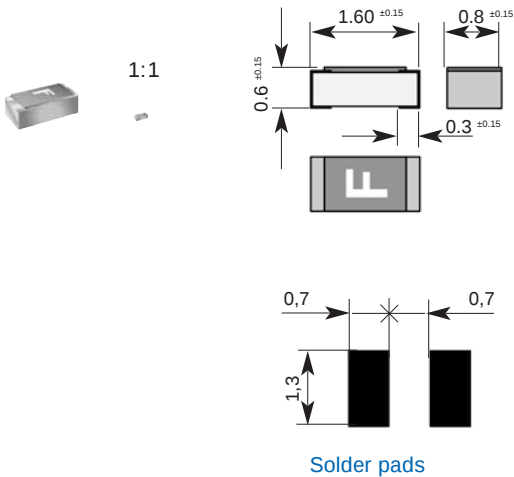


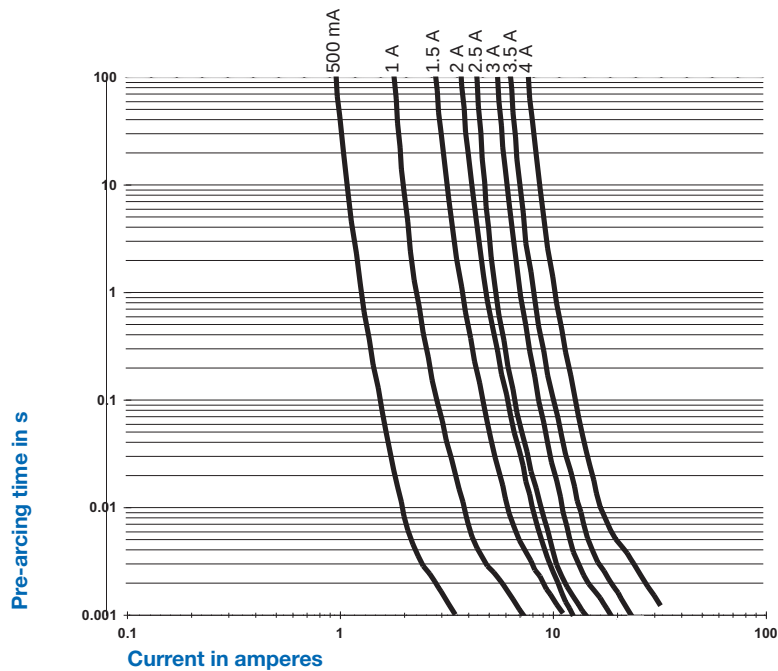
NEW

Surface Mount Fuses
Type USF 0603
super-quick-acting FF

available in lead-free version
directly solderable on
printed circuit boards



Typical time/current characteristic curves



Pre-arcing time/current
characteristic (at T_a 23 °C)

Rated current I _n	n · I _n	
	1 · I _n *	2 · I _n
	min.	max.
500 mA – 5 A	4 h	60 s

Standards

UL 248-14
CSA 248-14

Approvals



Order No.	Rated current I _n Rated voltage U _n	Marking	Breaking capacity	Voltage drop		Sustained power dissipation		Pre-arcing I ² t at typ. A ² s	Approvals
				typ mV	at max. mV	typ mW	at max. mW		
3412.0113.xx	0,50 A/32 V	F	50 A/32 V AC/DC p.f. / cos φ > 0.95	88	120	44	60	0.012	
3412.0115.xx	1,00 A/32 V	H		87	120	87	120	0.049	
3412.0117.xx	1,50 A/32 V	K		73	100	110	150	0.120	
3412.0119.xx	2,00 A/32 V	N		60	100	120	200	0.059	
3412.0120.xx	2,50 A/32 V	O		75	100	188	250	0.046	
3412.0121.xx	3,00 A/32 V	P		66	100	198	300	0.280	
3412.0122.xx	3,50 A/32 V	R		67	100	235	350	0.440	
3412.0123.xx	4,00 A/32 V	S		60	100	240	400	1.200	
3412.0124.xx	5,00 A/32 V	T		pend.	pend.	pend.	pend.	pending	

All measurements are carried out on a test board referring to IEC 60127-4 with 5 mm track.

FUSES

Non resettable fuses

USF 0603

Technical data and packaging

Type USF 0603

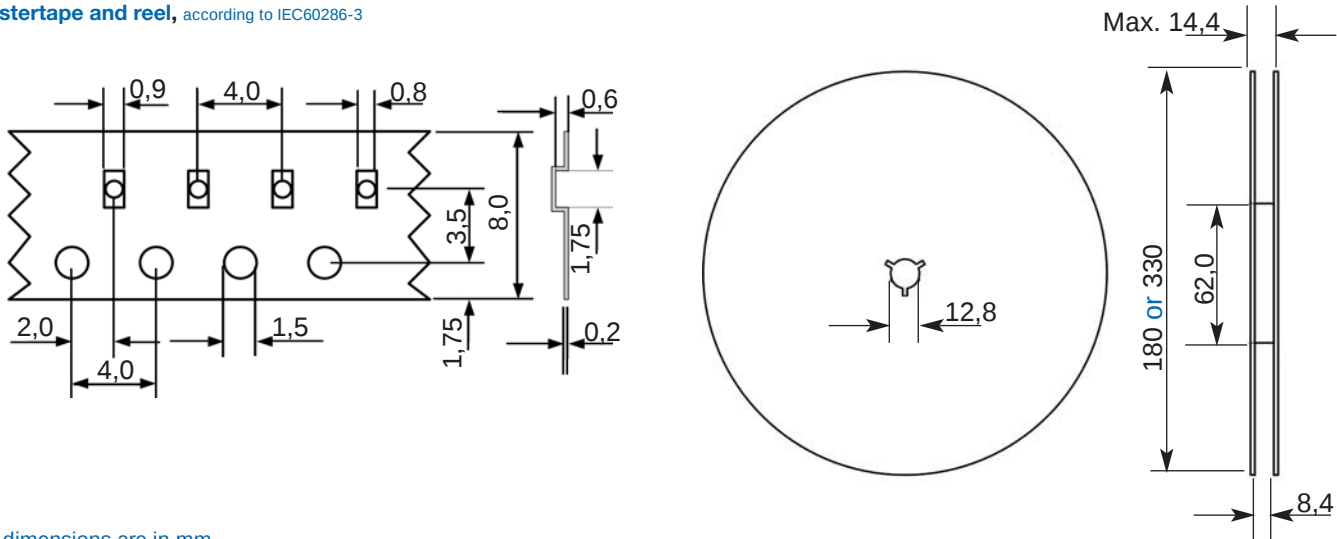
Additional technical data

Ambient temperature max. T _a	-55 °C to +90 °C
Permissible continuous operating current at 23 °C	0,7 · I _n
Climatic category	55/090/21 according to IEC 60068-1
Solderability (Reflow- soldering)	235 °C, 2 sec. (215 °C, 3 sec.) according to IEC 60068-2-58
Soldering heat resistance	260 °C, 10 sec., according to IEC 60068-2-58
Fuse-link temperature rise ≤ 75 K (UL/CSA)	trackwidth : 5 mm according to IEC 60127-4
Storage temperature max.	40 °C at 70% r. H. / r. F.
Materials Housing Terminals	Glass epoxy, flammability class UL94V-0 Cu / Ni / Sn 90 / Pb 10
Net weight pieces %	0,12 g

Packaging

Tape	Type USF 0603
Taped and reeled 5000 pieces / reel diameter 180 mm	3412.XXXX.24
Taped and reeled 15000 pieces / reel diameter 330 mm	3412.XXXX.26

Blistertape and reel, according to IEC60286-3



All dimensions are in mm