

# TLC-USMD Series / PPTC Fuse



## Features

- Surface Mount Devices
- Standard 1210mils(3225mm) footprint
- Surface mount packaging for automated assembly
- Compatible with Pb and Pb-free solder reflow profiles.

## Applications

- Mobile phones
- PC motherboards
- IEEE1394 ports
- USB port protection
- HDMI source protection
- Game console port protection



## Electrical Characteristics

P/N	I <sub>H</sub> (A)	I <sub>T</sub> (A)	V <sub>max</sub> (V)	I <sub>max</sub> (A)	Maximum Time to trip		P <sub>d</sub> type (w)	Resistance		Approval
					(A)	(Sec.)		R <sub>min</sub> (Ω)	R1 <sub>max</sub> (Ω)	cURus
TLC-USMD005	0.05	0.15	30.0	10	0.25	1.50	0.60	2.80	50.00	●
TLC-USMD005/50	0.05	0.15	50.0	10	0.25	1.50	0.60	2.80	50.00	○
TLC-USMD010	0.10	0.30	30.0	10	0.50	0.60	0.60	0.80	15.00	●
TLC-USMD010/50	0.10	0.30	50.0	10	0.50	0.60	0.60	0.80	15.00	○
TLC-USMD020	0.20	0.40	30.0	10	8.00	0.02	0.60	0.40	5.00	●
TLC-USMD020/24	0.20	0.40	24.0	10	8.00	0.02	0.60	0.40	5.00	○
TLC-USMD035	0.35	0.75	6.0	40	8.00	0.20	0.60	0.20	1.30	●
TLC-USMD035/12	0.35	0.75	12.0	40	8.00	0.20	0.60	0.20	1.30	○
TLC-USMD035/16	0.35	0.75	16.0	40	8.00	0.20	0.60	0.20	1.30	○
TLC-USMD035/24	0.35	0.75	24.0	40	8.00	0.20	0.60	0.20	1.30	○
TLC-USMD050	0.50	1.00	13.2	40	8.00	0.10	0.60	0.18	0.90	●
TLC-USMD050/16	0.50	1.00	16.0	40	8.00	0.10	0.60	0.18	0.90	○
TLC-USMD075	0.75	1.50	6.0	40	8.00	0.10	0.60	0.07	0.45	●
TLC-USMD075/8	0.75	1.50	8.0	40	8.00	0.10	0.60	0.07	0.45	○
TLC-USMD075/13.2	0.75	1.50	13.2	40	8.00	0.10	0.60	0.07	0.45	○
TLC-USMD110	1.10	2.20	6.0	40	8.00	0.30	0.60	0.05	0.24	●
TLC-USMD110-P	1.10	2.20	6.0	100	8.00	0.30	0.60	0.05	0.24	○
TLC-USMD110/8	1.10	2.20	8.0	40	8.00	0.30	0.60	0.05	0.24	○
TLC-USMD110/12	1.10	2.20	12.0	40	8.00	0.30	0.60	0.05	0.24	○
TLC-USMD150	1.50	3.00	6.0	40	8.00	0.50	0.60	0.03	0.11	●
TLC-USMD150/8	1.50	3.00	8.0	40	8.00	0.50	0.60	0.03	0.11	○
TLC-USMD150/10	1.50	3.00	10.0	40	8.00	0.50	0.60	0.03	0.11	○
TLC-USMD175	1.75	4.00	6.0	40	8.00	1.00	0.70	0.02	0.09	●
TLC-USMD175/8	1.75	4.00	8.0	40	8.00	1.00	0.70	0.02	0.09	○
TLC-USMD200	2.00	4.00	6.0	40	8.00	1.00	0.70	0.02	0.09	●
TLC-USMD200/8	2.00	4.00	8.0	40	8.00	1.00	0.70	0.02	0.09	○

### Note:

I<sub>H</sub>: Maximum current at which the device will not trip in 25°C still air.

I<sub>T</sub>: Minimum current at which the device will trip in 25°C still air.

V<sub>max</sub>: Maximum voltage device can withstand without damage at rated current.

I<sub>max</sub>: Maximum fault current device can withstand without damage at rated voltage.

T<sub>trip</sub>: Maximum time to trip(s) at assigned current.

P<sub>d</sub> typ: Rated working power.

R<sub>min</sub>: Minimum resistance of device prior to trip at 25°C.

R1<sub>max</sub>: Maximum resistance of device measured one hour after tripping at 25°C.

## Ordering Information

Series	Hold Current	Max. Voltage	Qty
TLC-USMD			

