

SMD1210 HF Series Surface Mount PTC Devices

Description

The 1210 series provides surface mount resettable overcurrent protection with holding current from 0.05A to 2.0A. This series is suitable for wide range of applications in modern electronics where space is limited.

Features




- RoHS compliant and lead-free
- Halogen-free
- Compact design saves board space
- Low profile
- Fast response to fault current
- Compatible with high temperature solders





Applications

- Battery PCM
- USB hubs, ports and peripherals
- Set-top-box and HDMI
- Game console port protection
- Optical disk drives
- General electronics

Agency Approval and Environmental Compliance

Agency	File Number	Regulation	Standard
	E201431		2011/65/EU
	R50099121		IEC 61249-2-21:2003

Electrical Characteristics

Part Number	I _{hold} (A)	I _{trip} (A)	V _{max} (Vdc)	I _{max} (A)	P _{d typ} (W)	Maximum Time To Trip		Resistance		Agency Approval	
						Current (A)	Time (Sec.)	R _{min} (Ω)	R _{1max} (Ω)		
SMD1210P005TF	0.05	0.15	30	10	0.6	0.25	1.50	3.600	50.00	✓	✓
SMD1210P005TF/60	0.05	0.15	60	10	0.6	0.25	1.50	3.600	50.00	✓	✓
SMD1210P010TF	0.10	0.30	30	10	0.6	0.50	1.50	1.600	15.00	✓	✓
SMD1210P010TF/60	0.10	0.25	60	10	0.6	0.50	1.50	1.500	15.00	✓	✓
SMD1210P010TF/90	0.10	0.25	90	10	0.6	0.50	1.50	1.500	15.00	—	—
SMD1210P020TF	0.20	0.40	30	10	0.6	8.00	0.02	0.800	5.000	✓	✓
SMD1210P035TF	0.35	0.70	6	100	0.6	8.00	0.20	0.320	1.300	✓	✓
SMD1210P035TF/30	0.35	0.70	30	40	0.6	8.00	0.20	0.320	1.300	✓	✓
SMD1210P050TF	0.50	1.00	13.2	100	0.6	8.00	0.05	0.250	0.900	✓	✓
SMD1210P050TF/30	0.50	1.00	30	40	0.6	8.00	0.15	0.220	0.900	✓	✓
SMD1210P075TF	0.75	1.50	6	100	0.6	8.00	0.10	0.130	0.400	✓	✓
SMD1210P075TF/24	0.75	1.50	24	100	0.6	8.00	0.10	0.130	0.400	✓	✓
SMD1210P110TFT	1.10	2.20	8	100	0.6	8.00	0.10	0.060	0.210	✓	✓
SMD1210P110TF/12	1.10	2.20	12	100	0.6	8.00	0.10	0.060	0.210	✓	✓
SMD1210P110TF/16	1.10	2.20	16	100	0.6	8.00	0.10	0.060	0.210	✓	✓
SMD1210P150TFT	1.50	3.00	6	100	0.8	8.00	0.30	0.040	0.110	✓	✓
SMD1210P150TF/12	1.50	3.00	12	100	0.8	8.00	0.30	0.040	0.110	✓	✓
SMD1210P150TF/16	1.50	3.00	16	100	0.8	8.00	0.30	0.040	0.110	✓	✓
SMD1210P175TF	1.75	3.50	6	100	0.8	8.00	0.60	0.020	0.080	✓	✓
SMD1210P200TF	2.00	4.00	6	100	0.8	8.00	1.00	0.015	0.070	✓	✓