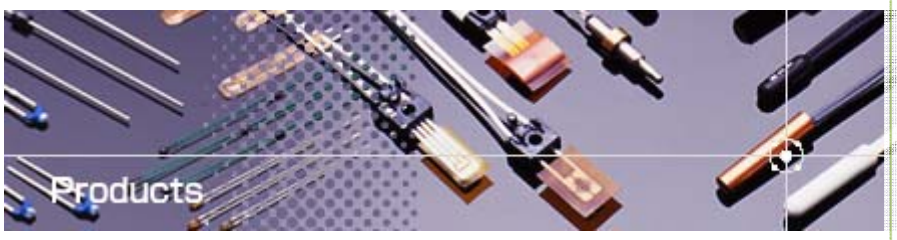
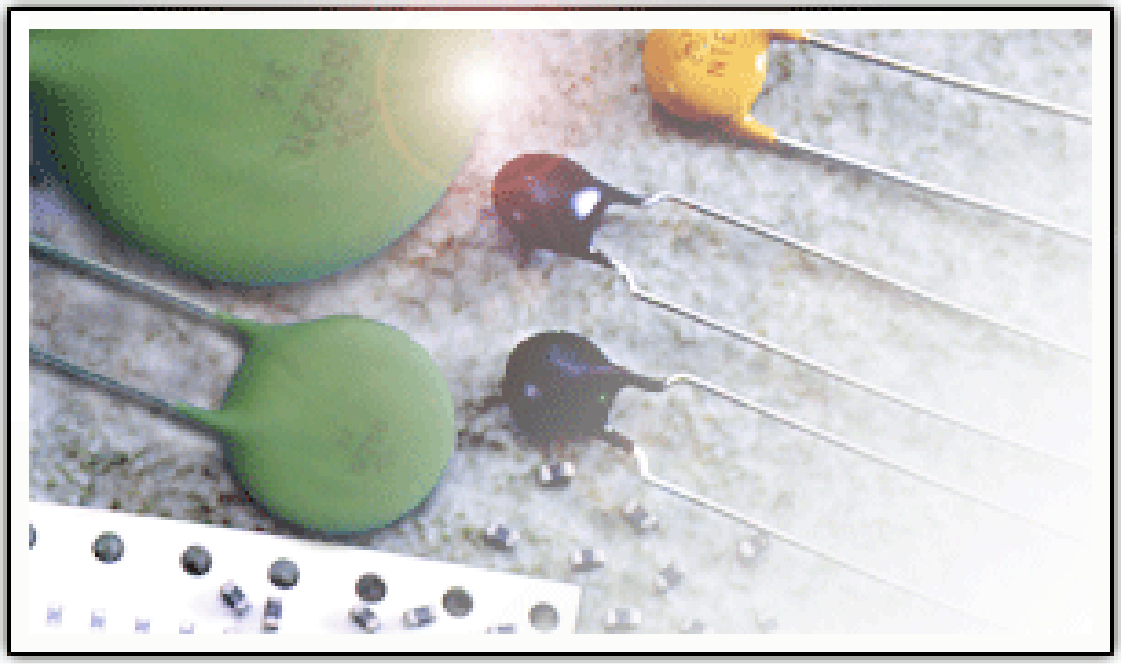


2010

南京富聚科技有限公司

Nanjing Fujutec Technology .co ltd



Products Catalogue

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Surface Mount PTC
Lower Resistance Series

Feature

This SLR product line is designed for surface-mount applications with a wide range in hold currents from 1.10 amp to 1.90 amp with 6 volts. The SLR series is suitable for high density circuit board applications in PDA cellular phone, Mp3 and NB.

RoHS 2002/95/EC Lead Free

ELECTRICAL CHARACTERISTICS

Part Number	I hold (A)	I trip (A)	V max (Vdc)	I max (A)	Pd max (W)	Maximum Time To Trip		Resistance		
						Current(A)	Time(Sec.)	R_{min} (Ω)	R_{typ} (Ω)	R_{1max} (Ω)
SMD1206P110SLR	1.10	2.20	6	50	0.80	8.00	0.30	0.015	-	0.130
SMD1206P150SLR	1.50	3.00	6	50	0.80	8.00	0.30	0.010	-	0.090

PHYSICAL DIMENSIONS (mm)

Part Number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
SMD1206P110SLR	3.00	3.40	1.50	1.80	0.40	0.75	0.25	0.75	0.10	0.45
SMD1206P150SLR	3.00	3.40	1.50	1.80	0.40	0.75	0.25	0.75	0.10	0.45

ELECTRICAL CHARACTERISTICE

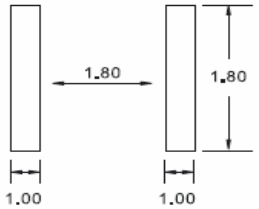
Part Number	I hold (A)	I trip (A)	V max (Vdc)	I max (A)	Pd max (W)	Maximum Time To Trip		Resistance		
						Current (A)	Time (Sec.)	R_{min} (Ω)	R_{typ} (Ω)	R_{1max} (Ω)
SMD1812P190SLR	1.90	4.90	6	50	1.00	9.50	4.50	0.003	-	0.025

PHYSICAL DIMENSIONS (mm)

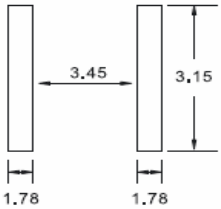
Part Number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
SMD1812P190SLR	4.37	4.73	3.07	3.41	0.40	0.70	0.30	1.20	0.25	0.65

Remark: Free sample are available request.

SMD1206 SOLDER PAD LAYOUTS



SMD1812 SOLDER PAD LAYOUTS



NOTE : All Specifications subject to change without notice.

Surface Mount PTC
SMD0603 Series

Feature

This SMD product line is designed for surface-mount applications with a wide range in hold currents from 0.10 amp to 0.35 amp and voltage from 6 to 15 volts. The SMD0603 product line is suitable for high density circuit board applications in computers, cellular phone, PDA and Mp3.

RoHS 2002/95/EC Lead Free

ELECTRICAL CHARACTERISTICS

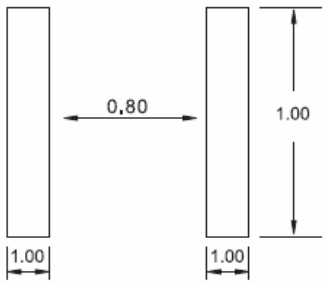
Part Number	I hold (A)	I trip (A)	V max (Vdc)	I max (A)	Pd max (W)	Maximum Time To Trip		Resistance			Agency Approval
						Current(A)	Time(Sec.)	R_{min} (Ω)	R_{typ} (Ω)	R_{1max} (Ω)	
SMD0603P010TF	0.10	0.30	15	40	0.50	0.50	1.00	0.900	-	6.000	UL/CSA/TÜV
SMD0603P020TF	0.20	0.50	9	40	0.50	1.00	0.60	0.550	-	3.500	UL/CSA/TÜV
SMD0603P025TF	0.25	0.55	9	40	0.50	8.00	0.08	0.500	-	3.000	UL/CSA/TÜV
SMD0603P035TF	0.35	0.75	6	40	0.50	8.00	0.10	0.200	-	1.000	UL/CSA/TÜV

PHYSICAL DIMENSIONS (mm)

Part Number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
SMD0603P010TF	1.40	1.80	0.60	1.00	0.40	0.75	0.15	0.50	0.10	0.40
SMD0603P020TF	1.40	1.80	0.60	1.00	0.40	0.75	0.15	0.50	0.10	0.40
SMD0603P025TF	1.40	1.80	0.60	1.00	0.40	0.75	0.15	0.50	0.10	0.40
SMD0603P035TF	1.40	1.80	0.60	1.00	0.75	1.55	0.15	0.50	0.10	0.40

Remark: Free sample are available request.

Solder PAD Layouts



NOTE : All Specifications subject to change without notice.

Surface Mount PTC
SMD0805 Series

Feature

This SMD product line is designed for surface-mount applications with a wide range in hold currents from 0.1 amp to 1.0 amp and voltage from 6 to 15 volts. The SMD0805 product line is suitable for high density circuit board applications in computers, cellular phone, PDA and general electronics.

RoHS 2002/95/EC Lead Free

ELECTRICAL CHARACTERISTICS

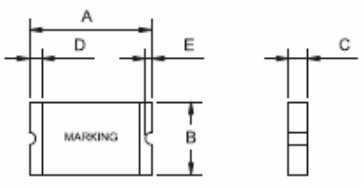
Part Number	I hold (A)	I trip (A)	V max (Vdc)	I max (A)	Pd max (W)	Maximum Time To Trip		Resistance			Agency Approval
						Current(A)	Time(Sec.)	R_{min} (Ω)	R_{typ} (Ω)	R_{1max} (Ω)	
SMD0805P010TF	0.10	0.30	15	100	0.50	0.50	1.50	1.000	3.500	6.000	UL/CSA/TÜV
SMD0805P020TF	0.20	0.50	9	100	0.50	8.00	0.02	0.650	2.000	3.500	UL/CSA/TÜV
SMD0805P035TF	0.35	0.75	6	100	0.50	8.00	0.10	0.250	0.750	1.200	UL/CSA/TÜV
SMD0805P050TF	0.50	1.00	6	100	0.50	8.00	0.10	0.150	0.500	0.850	UL/CSA/TÜV
SMD0805P075TF	0.75	1.50	6	40	0.60	8.00	0.20	0.090	-	0.350	UL/CSA/TÜV
SMD0805P100TF	1.00	1.95	6	40	0.60	8.00	0.30	0.060	-	0.210	UL/CSA/TÜV

PHYSICAL DIMENSIONS (mm)

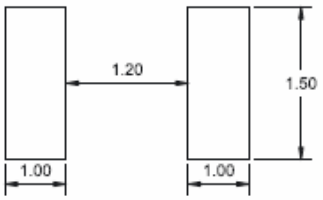
Part Number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
SMD0805P010TF	2.00	2.20	1.20	1.50	0.55	1.00	0.20	0.55	0.10	0.45
SMD0805P020TF	2.00	2.20	1.20	1.50	0.55	1.00	0.20	0.55	0.10	0.45
SMD0805P035TF	2.00	2.20	1.20	1.50	0.45	0.75	0.20	0.55	0.10	0.45
SMD0805P050TF	2.00	2.20	1.20	1.50	0.75	1.25	0.20	0.55	0.10	0.45
SMD0805P075TF	2.00	2.20	1.20	1.50	0.75	1.25	0.20	0.55	0.15	0.45
SMD0805P100TF	2.00	2.20	1.20	1.50	0.80	1.80	0.20	0.55	0.15	0.45

Remark: Free sample are available request.

Figure



Solder PAD Layouts
(Dimension in mm)



NOTE : All Specifications subject to change without notice.

Surface Mount PTC
SMD1206 Series

Feature

This SMD product line is designed for surface-mount applications with a wide range in hold currents from 0.12 amp to 2.00 amp and voltage from 6 to 30 volts. The SMD1206 product line is suitable for high density circuit board applications in computers, cellular phone, PDA and general electronics.

RoHS 2002/95/EC Lead Free

ELECTRICAL CHARACTERISTICS

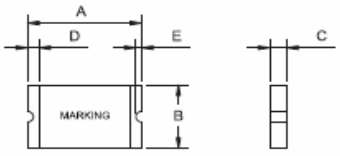
Part Number	I hold (A)	I trip (A)	V max (Vdc)	I max (A)	Pd max (W)	Maximum Time To Trip		Resistance			Agency Approval
						Current(A)	Time(Sec.)	R_{min} (Ω)	R_{typ} (Ω)	R_{1max} (Ω)	
SMD1206P012TF	0.125	0.29	30	100	0.6	1.00	0.20	1.500	3.600	6.000	UL/CSA/TÜV
SMD1206P016TF	0.16	0.37	30	100	0.6	1.00	0.30	1.200	2.800	4.500	UL/CSA/TÜV
SMD1206P020TF/24	0.20	0.42	24	100	0.6	8.00	0.10	0.650	1.550	2.600	UL/CSA/TÜV
SMD1206P025TF	0.25	0.50	16	100	0.6	8.00	0.08	0.55	1.400	2.300	UL/CSA/TÜV
SMD1206P035TF/16	0.35	0.75	16	100	0.6	8.00	0.10	0.300	0.750	1.200	UL/CSA/TÜV
SMD1206P050TF	0.50	1.00	6	100	0.6	8.00	0.10	0.150	0.400	0.700	UL/CSA/TÜV
SMD1206P050TF/15	0.50	1.00	15	100	0.6	8.00	0.10	0.150	0.400	0.750	UL/CSA/TÜV
SMD1206P075TF	0.75	1.50	6	100	0.6	8.00	0.20	0.090	0.200	0.290	UL/CSA/TÜV
SMD1206P075TFT	0.75	1.50	8	100	0.6	8.00	0.20	0.090	0.200	0.400	UL/CSA/TÜV
SMD1206P075TF/13.2	0.75	1.50	13.2	100	0.6	8.00	0.20	0.090	-	0.350	UL/CSA/TÜV
SMD1206P100TF	1.00	1.80	6	100	0.8	8.00	0.10	0.055	0.110	0.210	UL/CSA/TÜV
SMD1206P100TF/9	1.00	1.80	9	100	0.6	8.00	0.30	0.055	0.110	0.210	UL/CSA/TÜV
SMD1206P110TF	1.10	2.20	6	100	0.8	8.00	0.10	0.040	0.110	0.180	UL/CSA/TÜV
SMD1206P110TFT	1.10	2.20	8	100	0.8	8.00	0.10	0.040	0.110	0.210	UL/CSA/TÜV
SMD1206P125TF	1.25	2.50	6	100	0.6	8.00	0.30	0.050	0.090	0.160	UL/CSA/TÜV
SMD1206P150TF	1.50	3.00	6	100	0.8	8.00	0.30	0.040	0.080	0.120	UL/CSA/TÜV
SMD1206P160TF	1.60	3.20	6	100	0.8	8.00	0.40	0.025	-	0.110	UL/CSA/TÜV
SMD1206P175TF	1.75	3.50	6	100	0.8	8.00	0.50	0.020	-	0.090	UL/CSA/TÜV
SMD1206P200TF	2.00	3.50	6	100	0.8	8.00	1.50	0.018	-	0.080	UL/CSA/TÜV

PHYSICAL DIMENSIONS (mm)

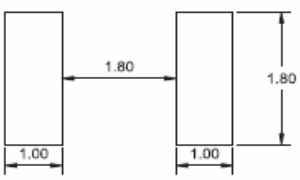
Part Number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
SMD1206P012TF	3.00	3.40	1.50	1.80	0.65	1.45	0.25	0.75	0.10	0.45
SMD1206P016TF	3.00	3.40	1.50	1.80	0.65	1.45	0.25	0.75	0.10	0.45
SMD1206P020TF/24	3.00	3.40	1.50	1.80	0.50	1.00	0.25	0.75	0.10	0.45
SMD1206P025TF	3.00	3.40	1.50	1.80	0.50	1.00	0.25	0.75	0.10	0.45
SMD1206P035TF/16	3.00	3.40	1.50	1.80	0.45	0.75	0.25	0.75	0.10	0.45
SMD1206P050TF	3.00	3.40	1.50	1.80	0.45	0.75	0.25	0.75	0.10	0.45
SMD1206P050TF/15	3.00	3.40	1.50	1.80	0.45	0.75	0.25	0.75	0.10	0.45
SMD1206P075TF	3.00	3.40	1.50	1.80	0.45	1.25	0.25	0.75	0.10	0.45
SMD1206P075TFT	3.00	3.40	1.50	1.80	0.45	1.25	0.25	0.75	0.10	0.45
SMD1206P075TF/13.2	3.00	3.40	1.50	1.80	0.45	1.25	0.25	0.75	0.10	0.45
SMD1206P100TF	3.00	3.40	1.50	1.80	0.75	1.00	0.25	0.75	0.10	0.45
SMD1206P100TF/9	3.00	3.40	1.50	1.80	0.75	1.25	0.25	0.75	0.10	0.45
SMD1206P110TF	3.00	3.40	1.50	1.80	0.75	1.00	0.25	0.75	0.10	0.45
SMD1206P110TFT	3.00	3.40	1.50	1.80	0.30	0.60	0.25	0.75	0.10	0.45
SMD1206P125TF	3.00	3.40	1.50	1.80	0.75	1.25	0.25	0.75	0.10	0.45
SMD1206P150TF	3.00	3.40	1.50	1.80	0.85	1.40	0.25	0.75	0.10	0.45
SMD1206P160TF	3.00	3.40	1.50	1.80	0.80	1.60	0.25	0.75	0.10	0.45
SMD1206P175TF	3.00	3.40	1.50	1.80	0.80	1.80	0.25	0.75	0.10	0.45
SMD1206P200TF	3.00	3.40	1.50	1.80	0.80	1.60	0.25	0.75	0.10	0.45

Remark: Free sample are available request.

Figure1



Solder PAD Layouts
(Dimension in mm)



NOTE : All Specifications subject to change without notice.

Surface Mount PTC
SMD1210 Series

Feature

This SMD product line is designed for surface-mount applications with a wide range in hold currents from 0.05 amp to 2.00 amp and voltage from 6 to 30 volts. These smaller devices (1210-mil footprint) are ideally suited for palm PC, PDA and applications where the board space is constrained and circuit protection is required.

RoHS 2002/95/EC | Lead Free

ELECTRICAL CHARACTERISTICS

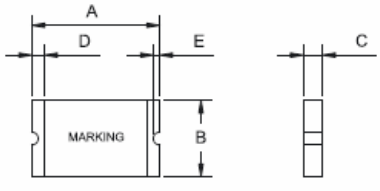
Part Number	I hold (A)	I trip (A)	V max (Vdc)	I max (A)	Pd max (W)	Maximum Time To Trip		Resistance			Agency Approval
						Current(A)	Time(Sec.)	R_{min} (Ω)	R_{typ} (Ω)	R_{1max} (Ω)	
SMD1210P005TF	0.05	0.15	30	10	0.6	0.25	1.50	3.600	25.000	50.000	UL/CSA/TÜV
SMD1210P010TF	0.10	0.30	30	10	0.6	0.50	1.50	1.600	7.000	15.000	UL/CSA/TÜV
SMD1210P020TF	0.20	0.40	30	10	0.6	8.00	0.02	0.800	2.900	5.000	UL/CSA/TÜV
SMD1210P020TF/60	0.20	0.50	60	10	0.6	8.00	0.03	0.800	2.900	5.000	UL/CSA/TÜV
SMD1210P035TF	0.35	0.70	6	100	0.6	8.00	0.20	0.320	0.810	1.300	UL/CSA/TÜV
SMD1210P050TF	0.50	1.00	13.2	100	0.6	8.00	0.05	0.250	0.550	0.900	UL/CSA/TÜV
SMD1210P075TF	0.75	1.50	6	100	0.6	8.00	0.10	0.130	0.290	0.400	UL/CSA/TÜV
SMD1210P075TF/24	0.75	1.50	24	100	0.6	8.00	0.10	0.130	0.290	0.400	UL/CSA/TÜV
SMD1210P110TF	1.10	2.20	6	100	0.6	8.00	0.20	0.060	0.140	0.210	UL/CSA/TÜV
SMD1210P150TF	1.50	3.00	6	100	0.8	8.00	0.50	0.040	0.070	0.110	UL/CSA/TÜV
SMD1210P175TF	1.75	3.50	6	100	0.8	8.00	0.60	0.020	-	0.080	UL/CSA/TÜV
SMD1210P200TF	2.00	4.00	6	100	0.8	8.00	1.00	0.015	-	0.070	UL/CSA/TÜV

PHYSICAL DIMENSIONS (mm)

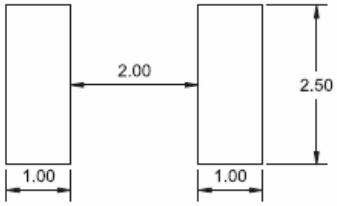
Part Number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
SMD1210P005TF	3.00	3.43	2.35	2.80	0.75	1.25	0.25	0.75	0.20	0.50
SMD1210P010TF	3.00	3.43	2.35	2.80	0.75	1.25	0.25	0.75	0.20	0.50
SMD1210P020TF	3.00	3.43	2.35	2.80	0.60	1.00	0.25	0.75	0.20	0.50
SMD1210P020TF/60	3.00	3.43	2.35	2.80	0.60	1.00	0.25	0.75	0.20	0.50
SMD1210P035TF	3.00	3.43	2.35	2.80	0.50	0.85	0.25	0.75	0.20	0.50
SMD1210P050TF	3.00	3.43	2.35	2.80	0.50	0.85	0.25	0.75	0.20	0.50
SMD1210P075TF	3.00	3.43	2.35	2.80	0.50	0.85	0.25	0.75	0.20	0.50
SMD1210P075TF/24	3.00	3.43	2.35	2.80	0.75	1.25	0.25	0.75	0.20	0.50
SMD1210P110TF	3.00	3.43	2.35	2.80	0.90	1.30	0.25	0.75	0.20	0.50
SMD1210P150TF	3.00	3.43	2.35	2.80	0.80	1.80	0.25	0.75	0.20	0.50
SMD1210P175TF	3.00	3.43	2.35	2.80	0.60	1.00	0.25	0.75	0.20	0.50
SMD1210P200TF	3.00	3.43	2.35	2.80	0.80	1.60	0.25	0.75	0.20	0.50

Remark: Free sample are available request.

Figure



Solder PAD Layouts
(Dimension in mm)



NOTE : All Specifications subject to change without notice.

Surface Mount PTC
SMD1812 Series

Feature

This SMD product line is designed for surface-mount applications with a wide range in hold currents from 0.05 amp to 2.00 amp and voltage from 6 to 30 volts. These smaller devices (1210-mil footprint) are ideally suited for palm PC, PDA and applications where the board space is constrained and circuit protection is required.

RoHS 2002/95/EC Lead Free

ELECTRICAL CHARACTERISTICS

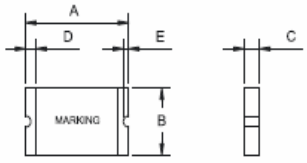
Part Number	I hold (A)	I trip (A)	V max (Vdc)	I max (A)	Pd max (W)	Maximum Time To Trip		Resistance			Agency Approval
						Current(A)	Time(Sec.)	R_{min} (Ω)	R_{typ} (Ω)	R_{1max} (Ω)	
SMD1812P010TF	0.10	0.30	30	100	0.80	0.50	1.50	1.600	7.000	15.000	UL/CSA/TÜV
SMD1812P014TF	0.14	0.34	60	10	0.80	1.50	0.15	1.500	4.000	6.000	UL/CSA/TÜV
SMD1812P020TF	0.20	0.40	30	100	0.80	8.00	0.02	0.800	2.900	5.000	UL/CSA/TÜV
SMD1812P035TF/30	0.35	0.75	30	40	0.80	8.00	0.15	0.400	-	1.700	UL/CSA/TÜV
SMD1812P050TF	0.50	1.00	15	100	0.80	8.00	0.15	0.150	0.600	1.000	UL/CSA/TÜV
SMD1812P050TF/30	0.50	1.00	30	100	0.80	8.00	0.15	0.150	-	1.000	UL/CSA/TÜV
SMD1812P075TF	0.75	1.50	13.2	100	0.80	8.00	0.20	0.100	0.260	0.450	UL/CSA/TÜV
SMD1812P075TF/24	0.75	1.50	24	100	0.80	8.00	0.20	0.110	0.200	0.290	UL/CSA/TÜV
SMD1812P075TF/33	0.75	1.50	33	20	0.80	8.00	0.20	0.110	0.260	0.400	UL/CSA/TÜV
SMD1812P090TF	0.90	1.80	30	40	0.80	8.00	0.30	0.070	-	0.300	UL/CSA/TÜV
SMD1812P110TF	1.10	2.20	8	100	0.80	8.00	0.30	0.040	0.120	0.210	UL/CSA/TÜV
SMD1812P110TFT	1.10	1.95	16	100	0.80	8.00	0.30	0.060	0.120	0.180	UL/CSA/TÜV
SMD1812P110TF/16	1.10	1.95	16	100	0.80	8.00	0.30	0.060	0.120	0.180	UL/CSA/TÜV
SMD1812P110TF/24	1.10	1.95	24	20	0.80	8.00	0.50	0.060	0.120	0.200	UL/CSA/TÜV
SMD1812P110TF/33	1.10	1.95	33	20	0.80	8.00	0.50	0.060	0.120	0.200	UL/CSA/TÜV
SMD1812P125TF/6.4L	1.25	2.50	6	100	0.80	8.00	0.40	0.050	0.090	0.140	UL/CSA/TÜV
SMD1812P125TF/16	1.25	2.50	16	100	0.80	8.00	0.40	0.050	0.090	0.140	UL/CSA/TÜV
SMD1812P150TF/8	1.50	3.00	8	100	0.80	8.00	0.30	0.040	0.070	0.110	UL/CSA/TÜV
SMD1812P150TF/12	1.50	3.00	12	100	0.80	8.00	0.50	0.040	0.070	0.110	UL/CSA/TÜV
SMD1812P150TF/24	1.50	3.00	24	20	0.80	8.00	1.50	0.040	0.070	0.120	UL/CSA/TÜV
SMD1812P160TF	1.60	2.80	8	100	0.80	8.00	1.00	0.030	0.066	0.100	UL/CSA/TÜV
SMD1812P200TF	2.00	3.50	8	100	0.80	8.00	2.00	0.020	0.040	0.060	UL/CSA/TÜV
SMD1812P260TF	2.60	5.00	8	100	0.80	8.00	2.50	0.015	0.030	0.047	UL/CSA/TÜV
SMD1812P260TF/12	2.60	5.00	12	100	0.80	8.00	5.00	0.015	0.030	0.055	UL/CSA/TÜV
SMD1812P300TF	3.00	5.00	6	100	0.80	8.00	4.00	0.012	0.026	0.040	UL/CSA/TÜV

PHYSICAL DIMENSIONS (mm)

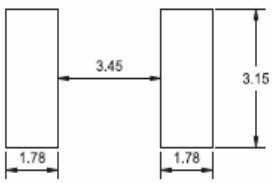
Part Number	A		B		C		D		E	
	Min.	Max	Min	Max	Min	Max	Min	Max	Min	Max
SMD1812P010TF	4.37	4.73	3.07	3.41	0.75	1.25	0.30	1.20	0.25	0.65
SMD1812P014TF	4.37	4.73	3.07	3.41	0.75	1.95	0.30	1.20	0.25	0.65
SMD1812P020TF	4.37	4.73	3.07	3.41	0.55	1.00	0.30	1.20	0.25	0.65
SMD1812P035TF/30	4.37	4.73	3.07	3.41	0.65	1.25	0.30	1.20	0.25	0.65
SMD1812P050TF	4.37	4.73	3.07	3.41	0.50	0.75	0.30	1.20	0.25	0.50
SMD1812P050TF/30	4.37	4.73	3.07	3.41	0.50	1.00	0.30	1.20	0.25	0.65
SMD1812P075TF	4.37	4.73	3.07	3.41	0.50	0.75	0.30	1.20	0.25	0.50
SMD1812P075TF/24	4.37	4.73	3.07	3.41	0.75	1.55	0.30	1.20	0.25	0.65
SMD1812P075TF/33	4.37	4.73	3.07	3.41	0.75	1.55	0.30	1.20	0.25	0.65
SMD1812P090TF	4.37	4.73	3.07	3.41	0.75	1.55	0.30	1.20	0.25	0.65
SMD1812P110TF	4.37	4.73	3.07	3.41	0.30	0.71	0.30	1.20	0.25	0.65
SMD1812P110TFT	4.37	4.73	3.07	3.41	0.40	0.71	0.30	1.20	0.25	0.65
SMD1812P110TF/16	4.37	4.73	3.07	3.41	0.75	1.25	0.30	1.20	0.25	0.65
SMD1812P110TF/24	4.37	4.73	3.07	3.41	0.50	1.07	0.30	1.20	0.25	0.65
SMD1812P110TF/33	4.37	4.73	3.07	3.41	1.20	2.00	0.30	1.20	0.25	0.65
SMD1812P125TF/6.4L	4.37	4.73	3.07	3.41	0.45	0.75	0.30	1.20	0.25	0.65
SMD1812P125TF/16	4.37	4.73	3.07	3.41	0.75	1.25	0.30	1.20	0.25	0.65
SMD1812P150TF/8	4.37	4.73	3.07	3.41	0.40	0.71	0.30	1.20	0.25	0.65
SMD1812P150TF/12	4.37	4.73	3.07	3.41	0.75	1.25	0.30	1.20	0.25	0.65
SMD1812P150TF/24	4.37	4.73	3.07	3.41	0.80	1.80	0.30	1.20	0.25	0.65
SMD1812P160TF	4.37	4.73	3.07	3.41	0.40	0.75	0.30	1.20	0.25	0.65
SMD1812P200TF	4.37	4.73	3.07	3.41	0.81	1.20	0.30	1.20	0.25	0.50
SMD1812P260TF	4.37	4.73	3.07	3.41	0.80	1.34	0.30	1.20	0.25	0.50
SMD1812P260TF/12	4.37	4.73	3.07	3.41	0.80	1.34	0.30	1.20	0.25	0.65

Remark: Free sample are available request.

Figure



Solder PAD Layouts
(Dimension in mm)



NOTE : All Specifications subject to change without notice.

SMD1812P300TF	4.37	4.73	3.07	3.41	0.80	1.50	0.30	1.20	0.25	0.65

Surface Mount PTC
SMD2016 Series

Feature

This SMD product line is designed to offer a wide range in hold currents from 0.3 amp to 2.0 amp and voltage from 6 to 60 volts. The SMD2016 product line is suitable for high density circuit board applications in computers, telecommunications and general electronics.

RoHS 2002/95/EC Lead Free

ELECTRICAL CHARACTERISTICS

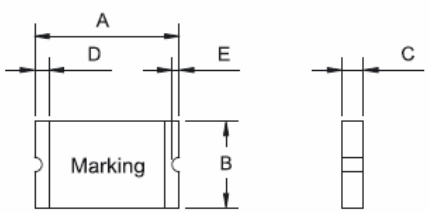
Part Number	I hold (A)	I trip (A)	V max (Vdc)	I max (A)	Pd max (W)	Maximum Time To Trip		Resistance			Agency Approval
						Current(A)	Time(Sec.)	R_{min} (Ω)	R_{typ} (Ω)	R_{1max} (Ω)	
SMD2016P030TF	0.60	0.60	60	20	1.40	1.50	3.00	0.500	1.400	2.300	UL/CSA/TÜV
SMD2016P050TF	0.55	1.10	60	20	1.40	2.50	5.00	0.200	0.700	1.000	UL/CSA/TÜV
SMD2016P065TF	0.65	1.30	60	20	1.40	2.50	5.00	0.150	-	0,900	UL/CSA/TÜV
SMD2016P100TF	1.10	2.20	15	40	1.40	8.00	0.50	0.100	0.250	0.400	UL/CSA/TÜV
SMD2016P100TF/33	1.10	2.20	33	40	1.40	8.00	0.50	0.100	0.250	0.400	UL/CSA/TÜV
SMD2016P150TF	1.50	3.00	15	40	1.40	8.00	1.00	0.070	0.130	0.180	UL/CSA/TÜV
SMD2016P200TF	2.00	4.20	6	40	1.40	8.00	3.00	0.048	0.070	0.100	UL/CSA/TÜV

PHYSICAL DIMENSIONS (mm)

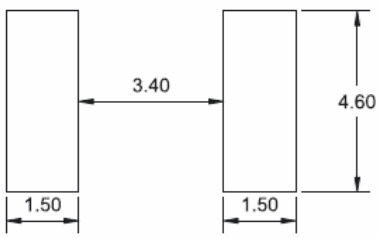
Part Number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
SMD2016P030TF	4.72	5.44	3.70	4.43	0.75	1.25	0.30	1.50	0.25	0.65
SMD2016P050TF	4.72	5.44	3.70	4.43	1.20	2.00	0.30	1.50	0.25	0.65
SMD2016P065TF	4.72	5.44	3.70	4.43	1.20	2.00	0.30	1.50	0.25	0.65
SMD2016P100TF	4.72	5.44	3.70	4.43	0.50	0.75	0.30	1.50	0.25	0.65
SMD2016P100TF/33	4.72	5.44	3.70	4.43	0.75	1.25	0.30	1.50	0.25	0.65
SMD2016P150TF	4.72	5.44	3.70	4.43	0.75	1.55	0.30	1.50	0.25	0.65
SMD2016P200TF	4.72	5.44	3.70	4.43	0.50	0.75	0.30	1.50	0.25	0.65

Remark: Free sample are available request.

Figure



Solder PAD Layouts
(Dimension in mm)



Surface Mount PTC
SMD2920 Series

Feature

This product line is designed to complement the Everfuse SMD other product line. These devices offer a wide range in hold currents from 0.3 amp to 3.0 amp and voltage from 6 to 60 volts. The SMD2920 product line is suitable for high density circuit board applications in computers, telecommunications and general electronics.

RoHS 2002/95/EC Lead Free

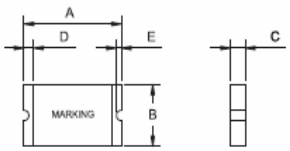
ELECTRICAL CHARACTERISTICS

Part Number	I hold (A)	I trip (A)	V max (Vdc)	I max (A)	Pd max (W)	Maximum Time To Trip		Resistance			Agency Approval
						Current(A)	Time(Sec.)	R_{min} (Ω)	R_{typ} (Ω)	R_{1max} (Ω)	
SMD2920P030TF	0.30	0.60	60	10	1.50	1.50	3.00	1.200	3.000	4.800	UL/CSA/TÜV
SMD2920P050TF	0.50	1.00	60	10	1.50	2.50	4.00	0.350	0.870	1.400	UL/CSA/TÜV
SMD2920P075TF	0.75	1.50	30	40	1.50	8.00	0.30	0.350	0.670	1.000	UL/CSA/TÜV
SMD2920P075TF/60	0.75	1.50	60	10	1.50	8.00	0.30	0.300	-	0.950	UL/CSA/TÜV
SMD2920P100TF	1.10	2.20	33	40	1.50	8.00	0.50	0.120	0.270	0.410	UL/CSA/TÜV
SMD2920P125TF	1.25	2.50	15	40	1.50	8.00	2.00	0.070	0.160	0.250	UL/CSA/TÜV
SMD2920P150TF	1.50	3.00	33	40	1.50	8.00	2.00	0.080	0.150	0.230	UL/CSA/TÜV
SMD2920P185TF	1.85	3.70	33	40	1.50	8.00	2.50	0.065	0.110	0.150	UL/CSA/TÜV
SMD2920P200TF	2.00	4.00	15	40	1.50	8.00	5.00	0.050	0.090	0.125	UL/CSA/TÜV
SMD2920P200TF/24	2.00	4.00	24	40	1.50	8.00	5.00	0.050	0.090	0.125	UL/CSA/TÜV
SMD2920P250TF	2.50	5.00	15	40	1.50	8.00	10.00	0.035	0.060	0.085	UL/CSA/TÜV
SMD2920P260TF	2.60	5.00	6	40	1.50	8.00	10.00	0.025	0.050	0.075	UL/CSA/TÜV
SMD2920P300TF	3.00	5.00	6	40	1.50	8.00	20.00	0.015	0.033	0.048	UL/CSA/TÜV
SMD2920P300TF/15	3.00	5.00	15	40	1.50	8.00	20.00	0.015	0.033	0.048	UL/CSA/TÜV

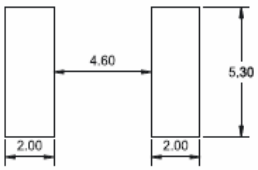
PHYSICAL DIMENSIONS (mm)

Part Number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
SMD2920P030TF	6.73	7.98	4.80	5.44	0.75	1.25	0.30	2.50	0.25	2.00
SMD2920P050TF	6.73	7.98	4.80	5.44	0.75	1.25	0.30	2.50	0.25	2.00
SMD2920P075TF	6.73	7.98	4.80	5.44	0.75	1.25	0.30	2.50	0.25	2.00
SMD2920P075TF/60	6.73	7.98	4.80	5.44	0.75	1.80	0.30	2.50	0.25	2.00
SMD2920P100TF	6.73	7.98	4.80	5.44	0.75	1.00	0.30	2.50	0.25	2.00
SMD2920P125TF	6.73	7.98	4.80	5.44	0.75	1.00	0.30	2.50	0.25	2.00
SMD2920P150TF	6.73	7.98	4.80	5.44	0.75	1.25	0.30	2.50	0.25	2.00
SMD2920P185TF	6.73	7.98	4.80	5.44	0.75	1.25	0.30	2.50	0.25	2.00
SMD2920P200TF	6.73	7.98	4.80	5.44	0.75	1.25	0.30	2.50	0.25	2.00
SMD2920P200TF/24	6.73	7.98	4.80	5.44	0.75	1.25	0.30	2.50	0.25	2.00
SMD2920P250TF	6.73	7.98	4.80	5.44	0.75	1.25	0.30	2.50	0.25	2.00
SMD2920P260TF	6.73	7.98	4.80	5.44	0.75	1.00	0.30	2.50	0.25	2.00
SMD2920P300TF	6.73	7.98	4.80	5.44	0.75	1.25	0.30	2.50	0.25	2.00
SMD2920P300TF/15	6.73	7.98	4.80	5.44	0.75	1.25	0.30	2.50	0.25	2.00

Figure



Solder PAD Layouts
(Dimension in mm)



Remark: Free sample are available request.

NOTE : All Specifications subject to change without notice.

Appendix -- Thermal Derating

Model	Ambient Operation Temperature								
	-40℃	-20℃	0℃	23℃	40℃	50℃	60℃	70℃	85℃
SMD0805P010TF	0.14	0.12	0.11	0.10	0.08	0.07	0.06	0.05	0.03
SMD0805P020TF	0.28	0.25	0.23	0.20	0.17	0.14	0.12	0.10	0.07
SMD0805P035TF	0.47	0.44	0.39	0.35	0.30	0.27	0.24	0.20	0.14
SMD0805P050TF	0.68	0.62	0.55	0.50	0.40	0.37	0.33	0.29	0.23
SMD0805P075TF	1.00	0.90	0.79	0.75	0.62	0.57	0.53	0.41	0.34
SMD0805P100TF	1.35	1.25	1.10	1.00	0.82	0.74	0.65	0.55	0.42
SMD1206P012TF	0.18	0.16	0.14	0.125	0.10	0.09	0.08	0.07	0.05
SMD1206P016TF	0.22	0.20	0.18	0.16	0.14	0.12	0.10	0.09	0.08
SMD1206P020TF/24	0.28	0.25	0.23	0.20	0.17	0.15	0.14	0.12	0.09
SMD1206P025TF	0.37	0.33	0.29	0.25	0.22	0.20	0.17	0.15	0.12
SMD1206P035TF/16	0.50	0.45	0.40	0.35	0.30	0.27	0.24	0.21	0.15
SMD1206P050TF	0.71	0.64	0.57	0.50	0.42	0.39	0.35	0.31	0.25
SMD1206P050TF/15	0.71	0.64	0.57	0.50	0.42	0.39	0.35	0.31	0.25
SMD1206P075TF	1.14	1.01	0.88	0.75	0.65	0.59	0.54	0.49	0.41
SMD1206P075TF/13.2	1.14	1.01	0.88	0.75	0.65	0.59	0.54	0.49	0.41
SMD1206P100TF	1.45	1.31	1.15	1.00	0.84	0.77	0.69	0.61	0.48
SMD1206P110TF	1.52	1.37	1.25	1.1	0.92	0.82	0.75	0.64	0.52
SMD1206P150TF	2.18	1.94	1.72	1.50	1.28	1.17	1.06	0.96	0.77
SMD1206P200TF	2.88	2.63	2.34	2.00	1.74	1.58	1.42	1.17	0.93
SMD1210P005TF	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02
SMD1210P010TF	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.03
SMD1210P020TF	0.29	0.26	0.22	0.20	0.16	0.14	0.13	0.11	0.08
SMD1210P035TF	0.47	0.45	0.40	0.35	0.33	0.28	0.24	0.21	0.18
SMD1210P050TF	0.76	0.67	0.58	0.50	0.43	0.40	0.36	0.32	0.28
SMD1210P075TF	1.00	0.97	0.86	0.75	0.64	0.59	0.54	0.48	0.40
SMD1210P110TF	1.69	1.48	1.29	1.10	0.88	0.76	0.65	0.57	0.43
SMD1210P150TF	2.13	1.92	1.71	1.50	1.26	1.14	1.01	0.89	0.71
SMD1812P010TF	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.03
SMD1812P014TF	0.23	0.19	0.17	0.14	0.12	0.10	0.09	0.08	0.06
SMD1812P020TF	0.29	0.26	0.23	0.20	0.17	0.15	0.14	0.12	0.10
SMD1812P050TF	0.77	0.68	0.59	0.50	0.44	0.40	0.37	0.33	0.29
SMD1812P075TF	1.15	1.01	0.88	0.75	0.65	0.60	0.55	0.49	0.43
SMD1812P075TF/24	1.06	0.95	0.84	0.75	0.60	0.55	0.50	0.45	0.37
SMD1812P075TF/33	1.10	1.00	0.88	0.75	0.66	0.60	0.56	0.47	0.36
SMD1812P110TF	1.59	1.43	1.26	1.10	0.95	0.87	0.80	0.71	0.60
SMD1812P110TF/16	1.58	1.43	1.27	1.10	0.95	0.85	0.77	0.71	0.58
SMD1812P110TF/24	1.55	1.40	1.25	1.10	0.93	0.83	0.73	0.63	0.50
SMD1812P110TF/33	1.55	1.40	1.25	1.10	0.93	0.83	0.73	0.63	0.50
SMD1812P125TF/16	2.00	1.75	1.52	1.25	1.00	0.95	0.90	0.75	0.53
SMD1812P125TF/6,4L	2.00	1.75	1.52	1.25	1.00	0.95	0.90	0.75	0.53
SMD1812P150TF/8	2.06	1.93	1.79	1.50	1.28	1.10	1.02	0.80	0.68
SMD1812P150TF/12	2.04	1.88	1.68	1.50	1.25	1.10	1.00	0.80	0.60
SMD1812P150TF/24	2.05	1.87	1.67	1.50	1.25	1.08	0.95	0.77	0.60
SMD1812P160TF/8(4L)	2.20	2.06	1.91	1.60	1.36	1.17	1.09	0.85	0.72
SMD1812P200TF	3.08	2.71	2.35	2.00	1.80	1.60	1.50	1.07	0.80
SMD1812P260TF	4.00	3.53	3.06	2.60	2.34	2.08	1.95	1.39	1.04
SMD1812P300TF	4.15	3.76	3.46	3.00	2.55	2.28	2.01	1.61	1.33