

**POLYMER PTC
RESETTABLE FUSE**

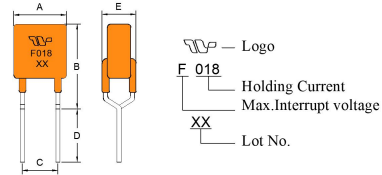


电路保护元器件专业制造商
Part Number:TLC-TRF018

1.Physical Dimensions

Unit:mm

P/N	A	B	C	D	E	Lead
	Max.	Max.	TYP.	Nor.	Max.	Φ
TRF018	10.2	14.5	5.1	10±1	4.5	0.6



2.Electrical Characteristics

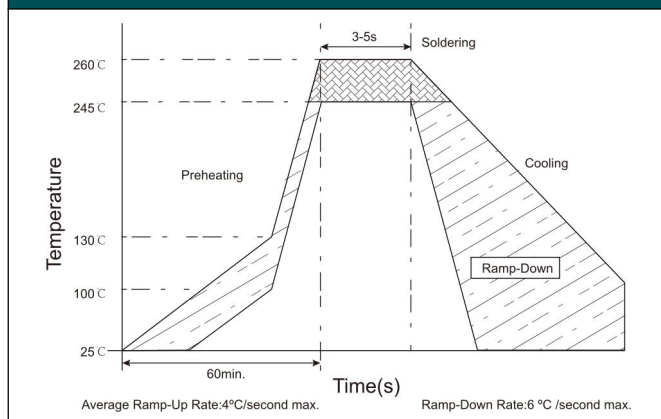
P/N	I _H	I _T	V _{max} OP V _{dc}	I _{max}	V _{max} Interrupt V _{rms}	T _{trip} (Max time to trip)		Pd _{typ}	R _{min}	R _{max}	R1 _{max}
	(A)	(A)	(V)	(A)	(V)	Current(A)	time(S)	(W)	(Ω)	(Ω)	(Ω)
TRF018	0.18	0.54	60	3.0	250	3.0	1.5	1.8	1.0	2.2	4.0

- I_H: Holding Current: maximum current at which the device will not trip in 25℃ still air.
- I_T: Tripping Current minimum current at which the device will trip in 25℃ still air.
- V_{max}: Maximum voltage device can withstand without damage at rated current.
- I_{max}: Maximum fault current device can withstand without damage at rated voltage.
- T_{trip}: Maximum time to trip(s) at assigned current.
- Pd_{typ}: Rated working power.
- R_{min}: Minimum resistance of device prior to trip at 25℃.
- R_{max}: Maximum resistance of device prior to trip at 25℃.
- R1_{max}: Maximum resistance of device is measured one hours post reflow at 25℃.

3.Thermal Derating (Maximum ambient operating temperature)

P/N	-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
TRF018	0.269	0.240	0.211	0.180	0.153	0.138	0.123	0.109	0.087

4.Wave Soldering Parameters



5.Package Information

Packing quantity:1000pcs/bag
Tape and Reel : 1500pcs/reel
Tape and Reel Specifications:
Devices taped using EIA468-B/IEC286-2 standards.
Storage Condition:0℃ ~35℃, ≤70%RH, 2 Years

6.Agency Recognition:TUV,UL



Caution:Operation beyond the rated voltage or current may result in rupture electrical arcing or flame.Specifications are subject to change without notice.

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