

**POLYMER PTC
RESETTABLE FUSE**

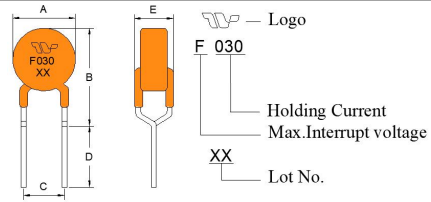


电路保护元器件专业制造商
Part Number: TLC-TRF030

1. Physical Dimensions

Unit:mm

P/N	A	B	C	D	E	Lead
	Max.	Max.	TYP.	Nor.	Max.	Φ
TRF030	11.0	16.8	5.1	10±1	4.5	0.6



2. Electrical Characteristics

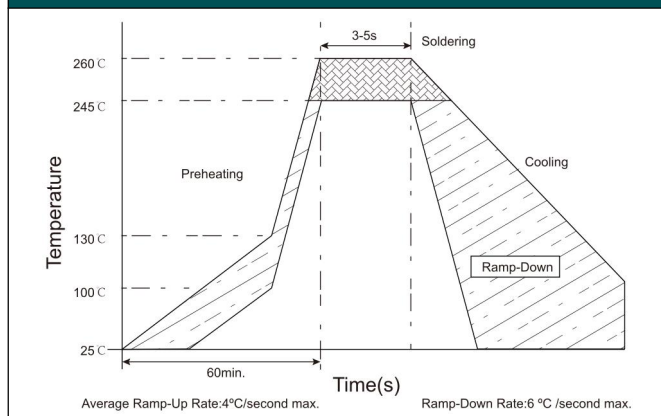
P/N	I_H	I_T	V_{max} OP V_{dc}	I_{max}	V_{max} Interrupt V_{rms}	T_{trip} (Max time to trip)		P_{dtyp}	R_{min}	R_{max}	$R1_{max}$
	(A)	(A)	(V)	(A)	(V)	Current(A)	time(S)	(W)	(Ω)	(Ω)	(Ω)
TRF030	0.30	0.60	60	3.0	250	3.0	6.0	1.8	1.0	2.2	3.50

- I_H : Holding Current: maximum current at which the device will not trip in 25°C still air.
- I_T : Tripping Current minimum current at which the device will trip in 25°C 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.
- P_{dtyp} : Rated working power.
- R_{min} : Minimum resistance of device prior to trip at 25°C.
- R_{max} : Maximum resistance of device prior to trip at 25°C.
- $R1_{max}$: Maximum resistance of device is measured one hours post reflow at 25°C.

3. Thermal Derating (Maximum ambient operating temperature)

P/N	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
TRF030	0.465	0.413	0.356	0.300	0.248	0.221	0.192	0.165	0.123

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°C ~35°C, ≤70%RH, 2 Years

6. Agency Recognition: TUV



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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