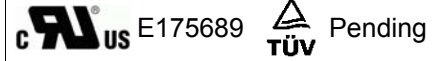


## RADIAL LEADED PTC FT MODEL



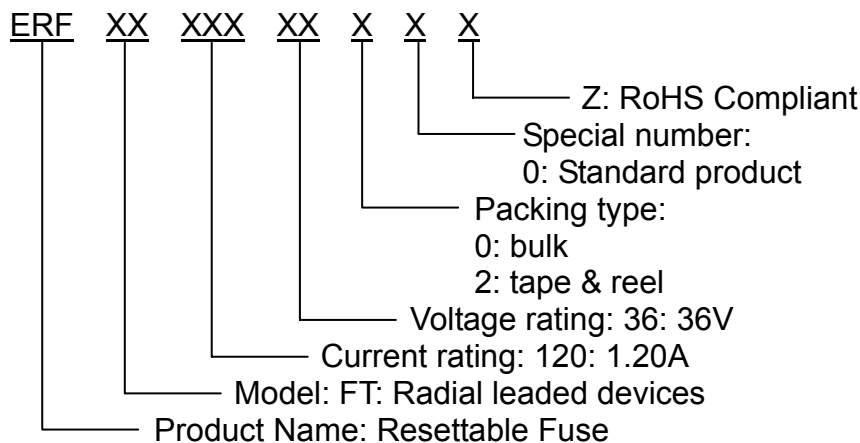
### FEATURES

- Fast trip time, Lower trip-to-hold ratio.
- Radial-leaded product ideal for up to 36V
- Operation current: 0.5A~2.5A
- Maximum voltage: 36V
- Temperature range: -40°C to 85°C
- Cured, flame retardant epoxy polymer insulating material meets UL 94V-0 requirement
- Bulk packaging, tape and reel available on most models

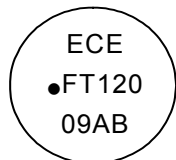
### APPLICATIONS

- IEEE 1394 FireWire
- Computer & Consumer electronics

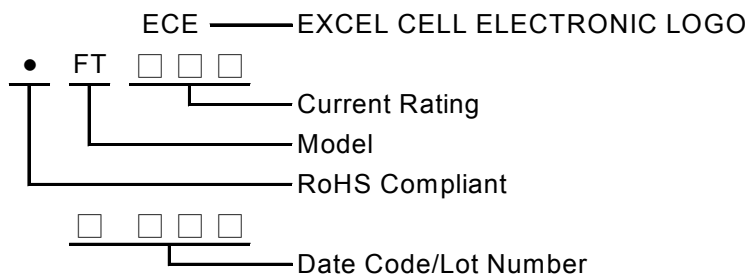
### PART NUMBERING SYSTEM



### Marking system



Example



\*If the current rating is under 1Amp there will be no "ECE" logo shown on the body.

**NOTE: Specifications subject to change without prior notice.**

## ■ Electrical characteristics (23°C)

Part Number	Hold Current	Trip Current	Max. Time to trip	Maximum Current	Rated Voltage	Typical Power	Resistance Tolerance	
							R <sub>MIN</sub>	R <sub>1MAX</sub>
	I <sub>H</sub> , A	I <sub>T</sub> , A	at 5xI <sub>H</sub>	I <sub>MAX</sub> , A	V <sub>MAX</sub> , V <sub>DC</sub>	P <sub>d</sub> , W	Ω	Ω
FT050-36	0.50	1.00	5.0	40	36	0.67	0.140	0.448
FT075-36	0.75	1.50	4.0	40	36	0.71	0.115	0.368
FT090-36	0.90	1.80	3.5	40	36	0.74	0.090	0.288
FT120-36	1.20	2.30	3.5	40	36	0.78	0.074	0.180
FT135-36	1.35	2.50	4.5	40	36	0.84	0.059	0.143
FT160-36	1.60	2.75	4.5	40	36	0.86	0.041	0.131
FT190-36	1.90	3.00	3.5	40	36	0.90	0.045	0.092
FT220-36	2.20	3.50	6.5	40	36	0.95	0.025	0.080
FT250-36	2.50	4.00	8.0	40	36	0.99	0.020	0.064

I<sub>H</sub>=Hold current-maximum current at which the device will not trip at 23°C still air.

I<sub>T</sub>=Trip current-minimum current at which the device will always trip at 23°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 (V max).

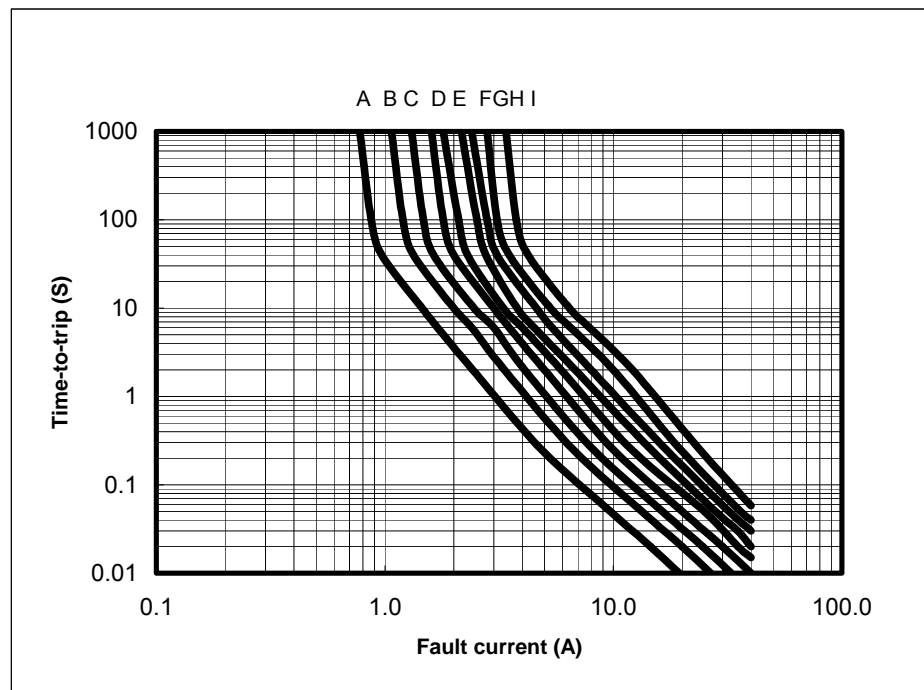
P<sub>d</sub>=Typical power dissipated from device when in the tripped state in 23°C still air environment.

R<sub>MIN</sub>=Minimum device resistance at 23°C.

R<sub>1MAX</sub>=Maximum device resistance at 23°C 1 hour after tripping .

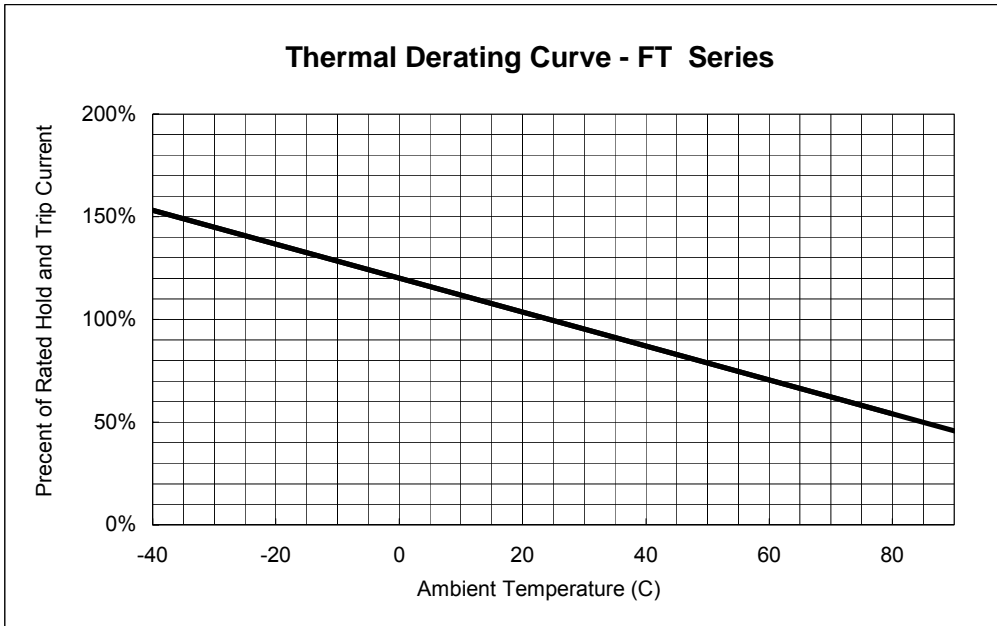
## ■ Typical Time-To-Trip at 23°C

A=FT050-36  
 B=FT075-36  
 C=FT090-36  
 D=FT120-36  
 E=FT135-36  
 F=FT160-36  
 G=FT190-36  
 H=FT220-36  
 I=FT250-36



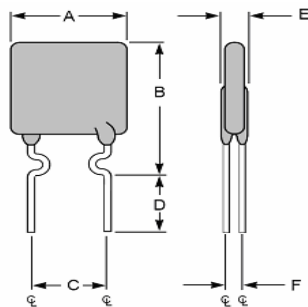
**NOTE: Specifications subject to change without prior notice.**

## ■ Thermal Derating Curve



## ■ FT Product Dimensions (UNIT: mm)

Part Number	A	B	C	D	E	F
	Maximum	Maximum	Typical	Minimum	Maximum	Typical
FT050-36	7.4	12.2	5.1	7.6	3.0	1.1
FT075-36	7.4	12.2	5.1	7.6	3.0	1.1
FT090-36	7.4	12.2	5.1	7.6	3.0	1.1
FT120-36	7.4	12.2	5.1	7.6	3.0	1.1
FT135-36	7.4	14.2	5.1	7.6	3.0	1.1
FT160-36	7.4	14.0	5.1	7.6	3.0	1.1
FT190-36	9.0	13.5	5.1	7.6	3.0	1.1
FT220-36	10.0	17.5	5.1	7.6	3.0	1.1
FT250-36	10.0	19.5	5.1	7.6	3.0	1.1



- Lead Size: 24AWG
- $\Phi$ 0.51mm Diameter

**NOTE: Specifications subject to change without prior notice.**

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