

BOURNS®

Profile Feature	Pb-Free Assembly
Preheat / Soak: Temperature Min. (T_{smin}) Temperature Max. (T_{smax}) Time (t_s) from (T_{smin} to T_{smax})	150 °C 200 °C 60~120 seconds
Ramp Up Rate (T_L to T_p)	3 °C / second max.
Liquidous Temperature (T_L) Time (t_L) maintained above T_L	217 °C 60~150 seconds
Peak Package Body Temperature (T_p)	260 °C
Time (t_p)* within 5 °C of the specified classification temperature (T_c)	30 seconds*
Ramp Down Rate (T_p to T_L)	6 °C / second max.
Time 25 °C to Peak Temperature	8 minutes max.

Average Pre-Arcing Time vs. Current Curves

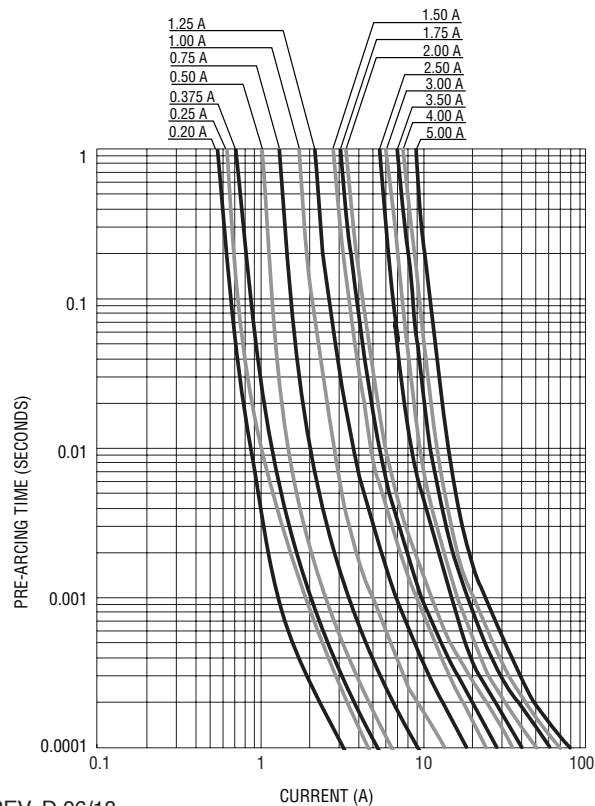


Figure 1 is a log-log plot showing the relationship between the magnitude of the transfer function $|2_t|$ (in $A^2 \cdot s$) and time (in SECONDS). The y-axis ranges from 0.0001 to 100, and the x-axis ranges from 0.0001 to 1. Multiple curves are plotted for different current values (I) ranging from 0.20 A to 5.00 A. The curves show that $|2_t|$ increases with time and is higher for higher current values.

Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
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SF-0402FPxxxF Series Tape and Reel Packaging Specifications

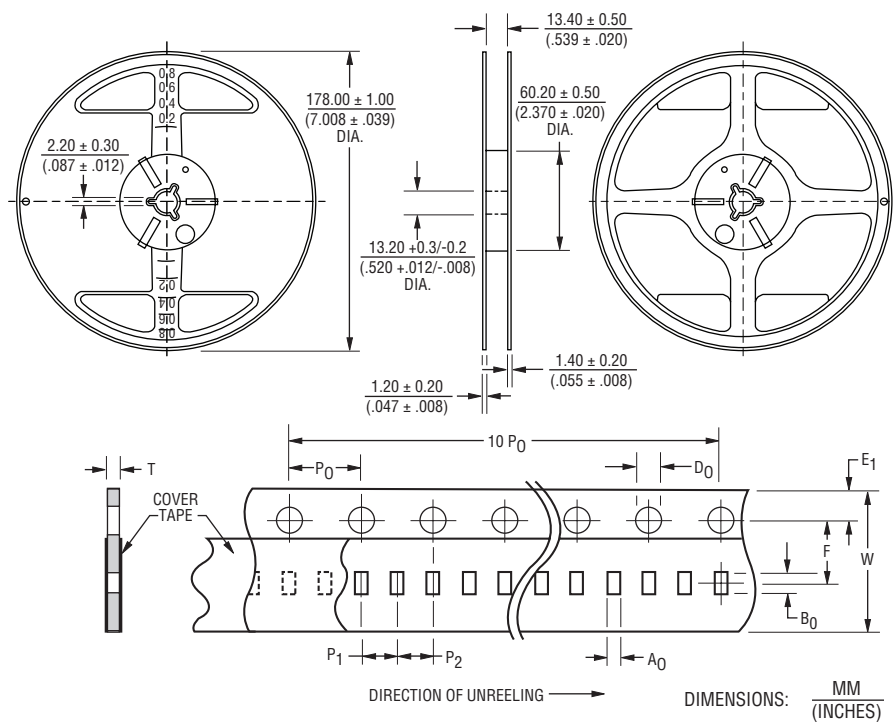
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SF-0402FPxxxF Series per EIA 481-2

Tape Dimensions

W	$\frac{8.00 \pm 0.10}{(.315 \pm .004)}$
P ₀	$\frac{4.0 \pm 0.10}{(.157 \pm .004)}$
P ₁	$\frac{2.0 \pm 0.05}{(.079 \pm .002)}$
P ₂	$\frac{2.0 \pm 0.05}{(.079 \pm .002)}$
A ₀	$\frac{0.61 \pm 0.05}{(.024 \pm .002)}$
B ₀	$\frac{1.15 \pm 0.05}{(.045 \pm .002)}$
F	$\frac{3.50 \pm 0.05}{(.138 \pm .002)}$
E ₁	$\frac{1.75 \pm 0.10}{(.069 \pm .004)}$
D ₀	$\frac{1.50 \pm 0.10}{(.059 \pm .004)}$
T	$\frac{0.43 \pm 0.03}{(.017 \pm .001)}$

PACKAGING: Paper tape, 20,000 pcs. per reel



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