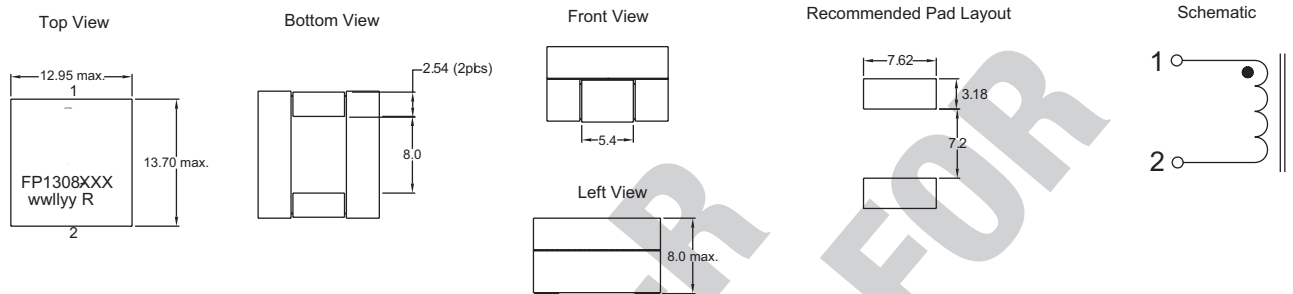


Dimensions - mm



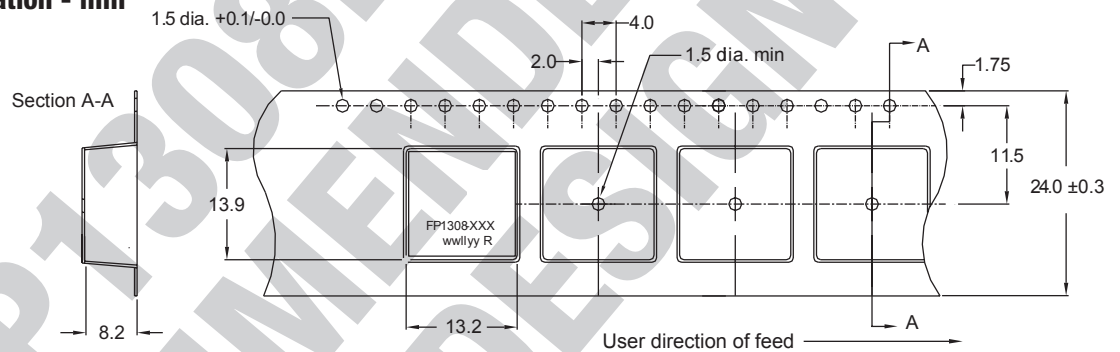
Part Marking: FP1308

xxx = Inductance value in μH . (R = Decimal point). If no "R" is present, then last character is # Of zeros

wwllly = Date code

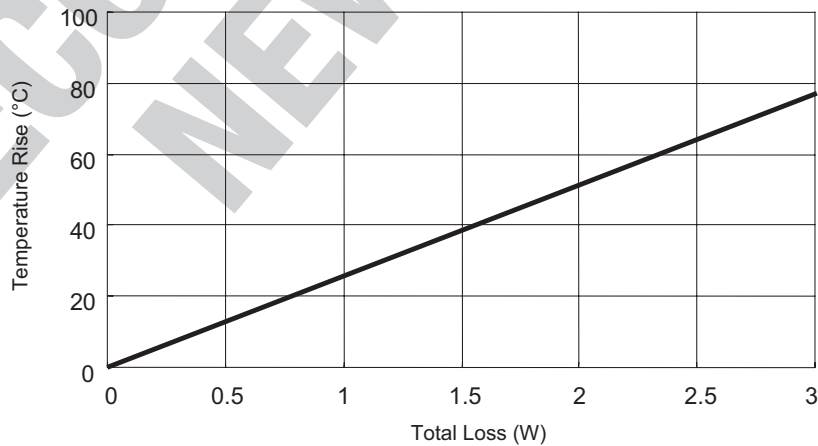
R = Revision level

Packaging Information - mm

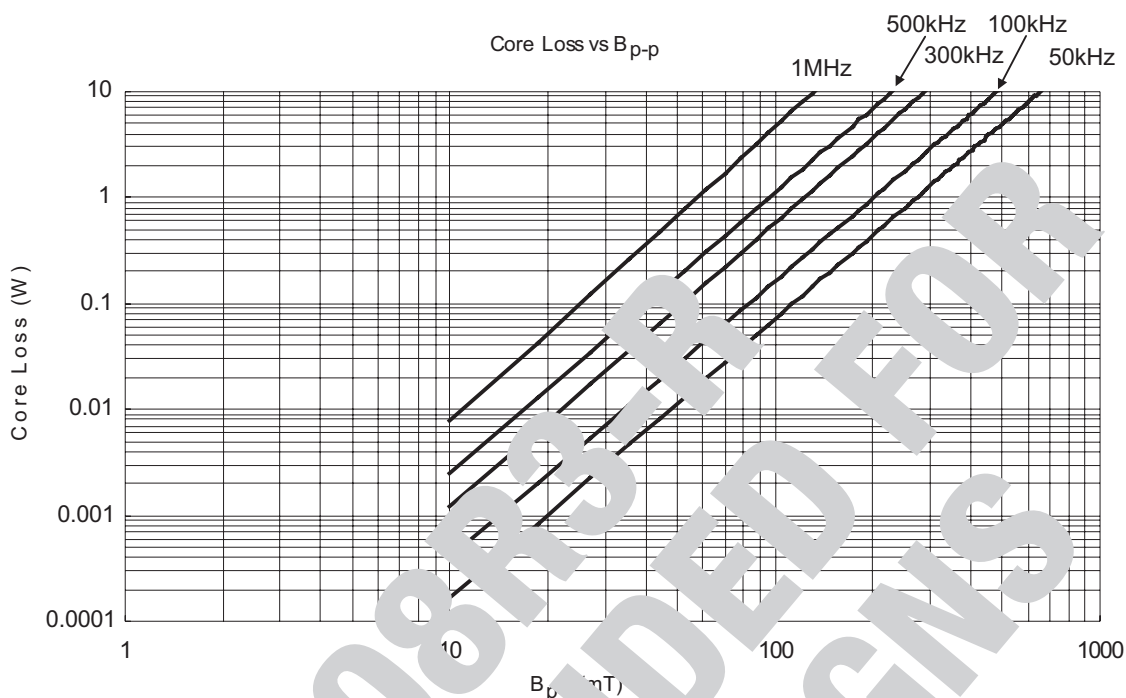


Supplied in tape-and-reel packaging, 400 parts per reel, 13" diameter reel.

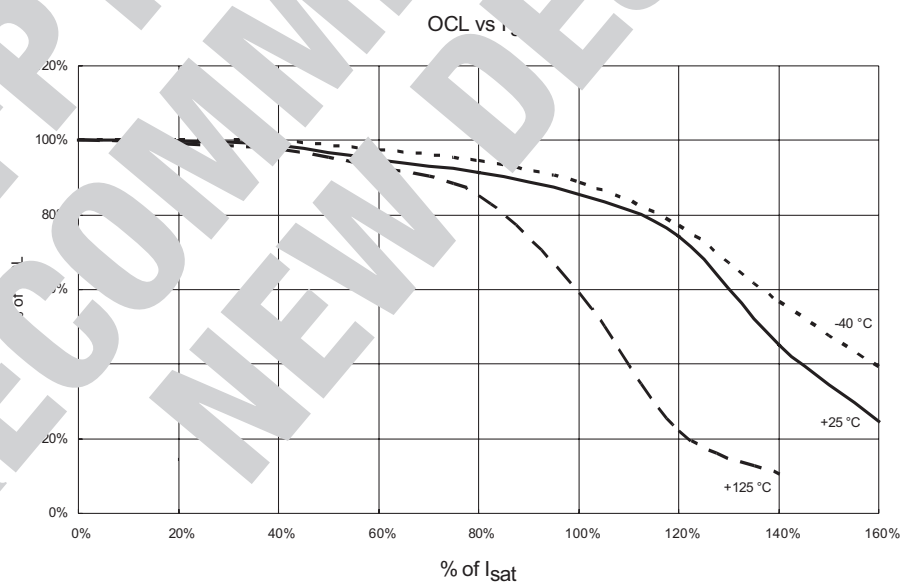
Temperature Rise vs. Total Loss



Core Loss



Inductance Characterist



Solder Reflow Profile

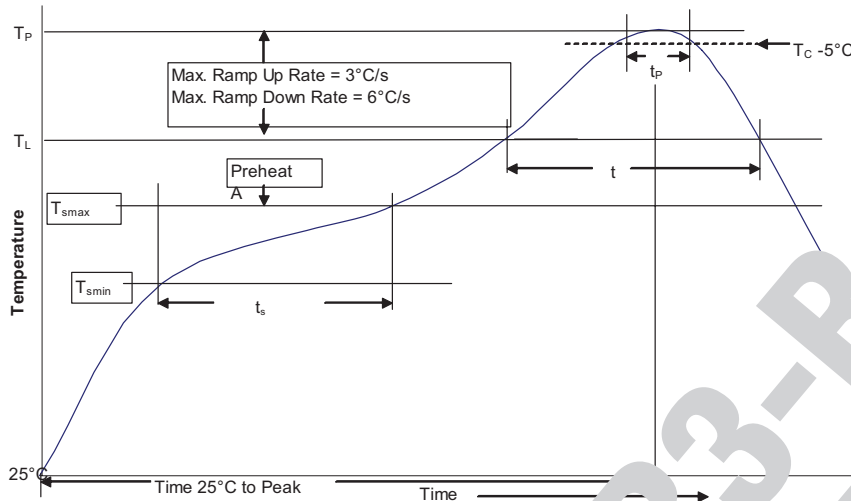


Table 1 - Standard SnPb Solder (T_P)

Package Thickness	Volume ≤ 350 mm ³	Volume ≥ 350 mm ³
<2.5mm	235°C	220°C
≥ 2.5 mm	235°C	220°C

Table 2 - Lead Free Solder (T_P)

Package Thickness	Volume ≤ 350 mm ³	Volume 350 - 2000 mm ³	Volume > 2000 mm ³
<1.6mm	260°C	260°C	260°C
1.6 - 2.5mm	260°C	250°C	245°C
≥ 2.5 mm	260°C	245°C	245°C

Reference JDEC J-STD-020

Profile Feature

Profile Feature	Standard SnPb Solder	Lead Free Solder
Preheat and Soak		
• Temperature min. (T_{smin})	150°C	150°C
• Temperature max. (T_{smax})	250°C	200°C
• Time (T_{smin} to T_{smax}) (t_s)	60-120 Seconds	60-120 Seconds
Average ramp up rate T_{smax} to T_P	3°C/ Second Max.	3°C/ Second Max.
Liquidous temperature (T_L)	217°C	217°C
Time at liquidous (t_L)	60-150 Seconds	60-150 Seconds
Peak package body temperature (T_P)*	Table 1	Table 2
Time (t_p)** within 5 °C of the specified classification temperature (T_P)	30 Seconds**	30 Seconds**
Average ramp-down rate (T_P to T_{smax})	6°C/ Second Max.	6°C/ Second Max.
Time 25°C to Peak Temperature	8 Minutes Max.	8 Minutes Max.

* Tolerance for peak profile temperature (T_P) is defined as a supplier minimum and a user maximum.

** Tolerance for time at peak profile temperature is defined as a supplier minimum and a user maximum.

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