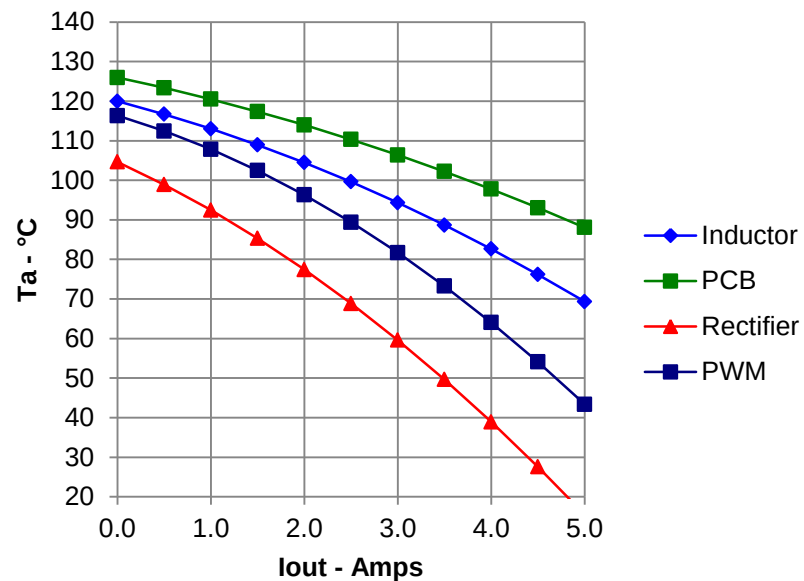


TPS54561 SOA

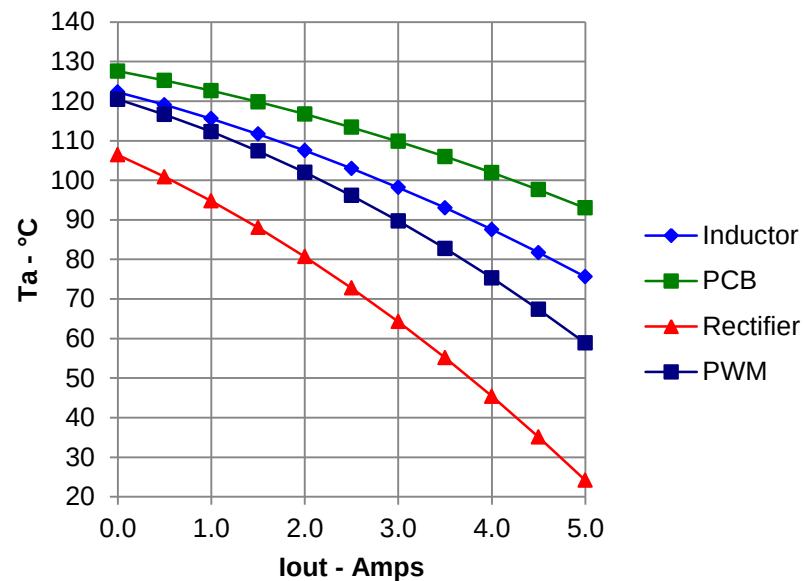
- Application
 - $V_{out} = 5\text{ V}$
 - $f_{sw} = 400\text{ kHz}$
- SOA limits
 - $T_{max\text{ L (Inductor)}} = 130\text{ C}$
 - $T_{max\text{ PCB}} = 130\text{ C}$
 - $T_{max\text{ D (Rectifier)}} = 110\text{ C}$
 - $T_{max\text{ IC (PWM)}} = 125\text{ C}$

SOA

$V_{in} = 60\text{ V}$

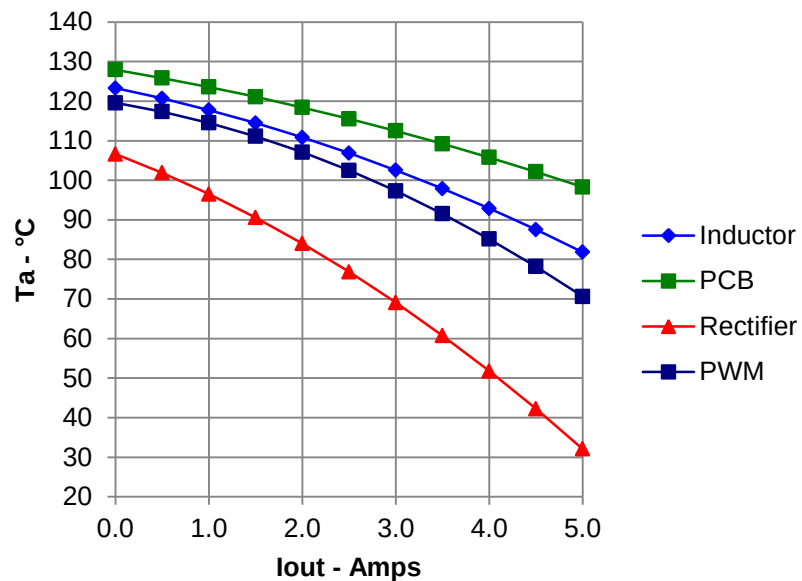


$V_{in} = 48\text{ V}$

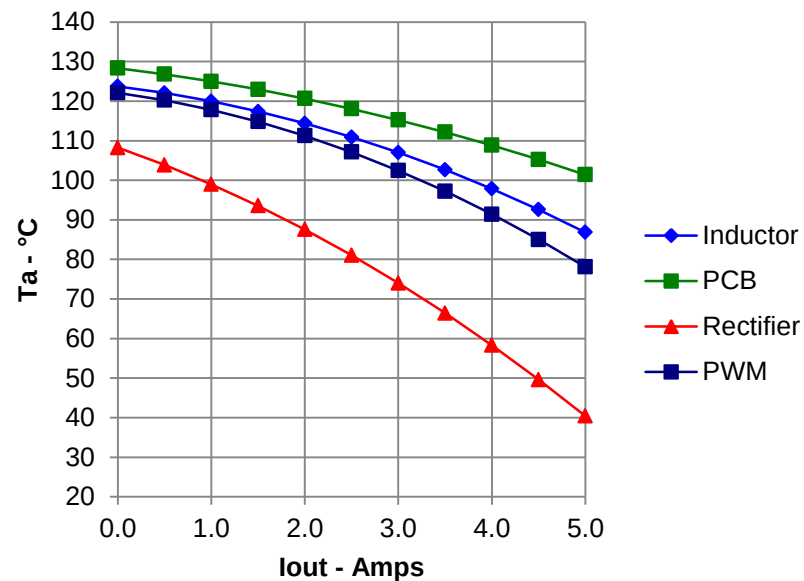


SOA

$V_{in} = 36\text{ V}$

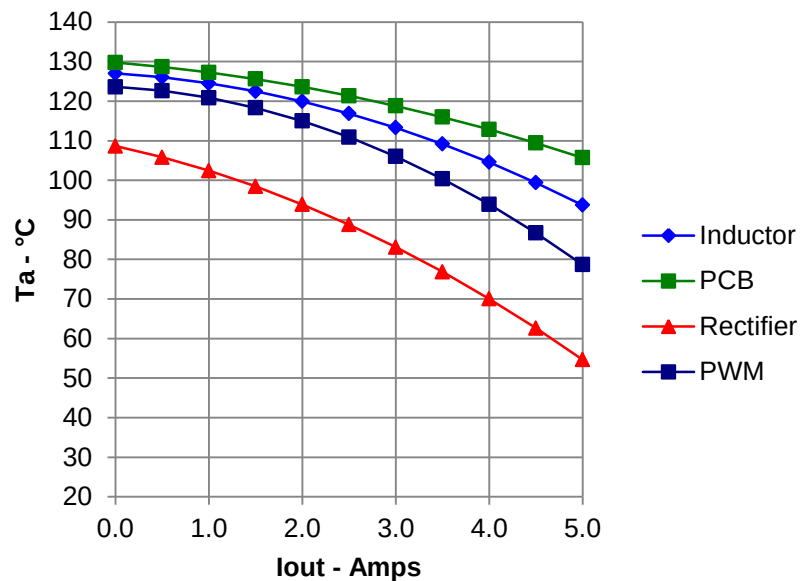


$V_{in} = 24\text{ V}$



SOA

$V_{in} = 12\text{ V}$



$V_{in} = 8\text{ V}$

