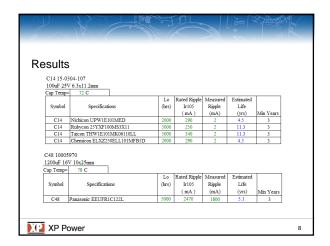


Lifetime Formula	
$L = \frac{Lo * 2}{365 * 24}$	
XP Power	7



		Sap.				
Lifetime Estimation						
Measured case temperature is a good indication of lifetime						
Lifetime at rated temperature provides a base for calculation						
Apply multiplication factor of 2 for every 10°C below rated temperature						
105°C	2000hrs (0.23 years)	105°C	5000hrs (0.57 years)			
95°C	4000hrs (0.46 years)	95ºC	10000hrs (1.14 years)			
85°C	8000hrs (0.91 years)	85°C	20000hrs (2.28 years)			
75°C	16000hrs (1.82 years)	75°C	40000hrs (4.56 years)			
65°C	32000hrs (3.65 years)	65°C	80000hrs (9.31 years)			
55°C	64000hrs (7.30 years)	55°C	160000hrs (18.2 years)*			
* Lifetime calculations above 15 years should be considered as 15 years maximum						
X(P) X	P Power			9		

