

Question 1:

Is below table with 25degree ambient, right?

Electrical Characteristics (continued)

Over recommended operating conditions unless otherwise noted. All typical values are at $T_A = 25^\circ\text{C}$, $V_{CC1} = 5\text{ V}$, $V_{CC2} = \text{GND2} = 15\text{ V}$, $\text{GND2} - V_{EE2} = 8\text{ V}$

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
$V_{(DSTH)}$	DESAT threshold voltage with respect to GND2	8.3	9	9.5	V
$V_{(DSL)}$	DESAT voltage with respect to GND2, when OUTH or OUTL is driven low	0.4		1	V
$I_{(CHG)}$	Blanking-capacitor charge current	$V_{(DESAT)} - \text{GND2} = 2\text{ V}$	0.5	0.58	mA
$I_{(DCHG)}$	Blanking-capacitor discharge current	$V_{(DESAT)} - \text{GND2} = 6\text{ V}$	14		mA

Question 2:

In the above table, the parameter cannot match to Fig 8 and Fig 43 of the ISO5852S?

VDSTH : In the E/C table, it says 9V@25degree. However, in the Fig8, it says that 8.85V@25degree

ICHG : In the E/C table, it says 0.5mA@25degree. However, in the Fig43, it says that 0.475mA@25degree, and upper and lower limit are not matching. Why?

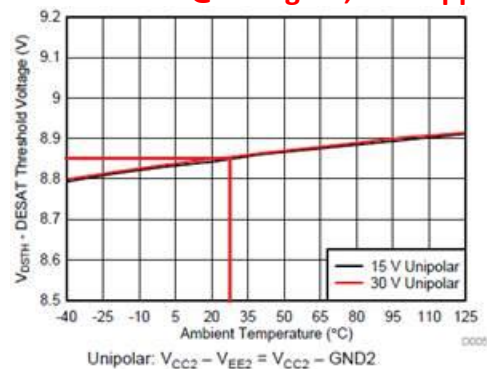


Figure 8. DESAT Threshold Voltage vs Temperature

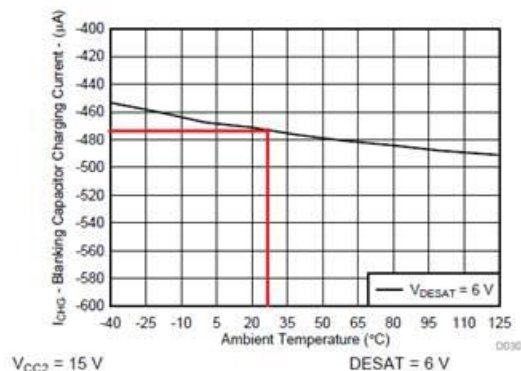


Figure 43. Blanking Capacitor Charging Current vs Temperature