

Main Specifications

Part number		TCR1HF18B	TCR1HF33B	TCR1HF50B	
Package	Name		SOT-25 (SMV)		
	Size typ. (mm)		2.8 x 2.9, t=1.1		
Operating ranges	Input voltage V_{IN} (V)		4 to 36		
	Operation temperature T_{opr} (°C)		-40 to 125		
Electrical characteristics (Unless otherwise specified, $T_j=25^\circ\text{C}$)	Output voltage V_{OUT} typ. (V)		1.8	3.3	5.0
	Output voltage accuracy V_{OUT} (%)	$I_{OUT}=10\text{mA}$	±1		
	Quiescent current I_{BON} typ. (µA)	$I_{OUT}=0\text{mA}$	1		
	Stand-by current $I_{B(OFF1)}$ typ. (µA)	$V_{IN}=4\text{V}$	0.24		
	Load transient response ΔV_{OUT} typ. (mV)	$I_{OUT}=0\text{mA} \rightarrow 10\text{mA}$	-60		
		$I_{OUT}=10\text{mA} \rightarrow 0\text{mA}$	50		
	Thermal shutdown threshold T_{SDH} (°C)	T_j rising	155		
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