

Main Specifications

Part number		TCR3RMxxA ^[3]	
Package	Name		DFN4C
	Size typ. (mm)	@T _a =25°C	1.0×1.0, t=0.38
Operating ranges (@T _a = -40 to 85°C)	Output current I _{OUT} (mA)		300
	Output voltage V _{OUT} (V)		0.9 to 4.5
	Input voltage V _{IN} (V)		1.8 to 5.5
Electrical Characteristics (Unless otherwise specified, @T _j =25°C)	Output voltage V _{OUT} min/max (mV)	@V _{OUT} <1.8V, T _j = -40 to 85°C	-36/36
	Output voltage V _{OUT} min/max (%)	@V _{OUT} ≥1.8V, T _j = -40 to 85°C	-2/2
	Quiescent current I _{B(ON)} typ. (μA)	@I _{OUT} =0mA ^[4]	7
	Ripple rejection ratio R.R. typ. (dB)	@f=1kHz, T _a =25°C	100
		@f=10kHz, T _a =25°C	93
		@f=100kHz, T _a =25°C	68
		@f=1MHz, T _a =25°C	68
		@f=2MHz, T _a =25°C	67
	Output noise voltage V _{NO} typ. (μVrms)	@I _{OUT} =10mA, T _a =25°C	5
	Drop-out voltage V _{DO} typ. (mV)	@V _{OUT} =2.8V, I _{OUT} =300mA	130
	Load transient response ΔV _{OUT} typ. (mV)	@I _{OUT} =1mA→300mA	-30
@I _{OUT} =300mA→1mA		30	
Output voltage slew rate V _{OUTSR} typ. (mV/μs)	@V _{OUT} =2.8V	4	
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