

## Main Specifications

Part number		<a href="#">TCR5RGxxA</a> <sup>[3]</sup>	
Package	Name		WCSP4F
	Size (mm)	@T <sub>a</sub> =25°C	0.645×0.645 (typ.), t=0.33 (max)
Operating ranges (@T <sub>a</sub> = -40 to 85°C)	Output current I <sub>OUT</sub> (mA)		500
	Output voltage V <sub>OUT</sub> (V)		0.9 to 5.0
	Input voltage V <sub>IN</sub> (V)		1.8 to 5.5
Electrical characteristics (Unless otherwise specified, @T <sub>j</sub> =25°C)	Output voltage accuracy V <sub>OUT</sub> min/max (mV)	@V <sub>OUT</sub> <1.8V, T <sub>j</sub> = -40 to 85°C	-36/36
	Output voltage accuracy V <sub>OUT</sub> min/max (%)	@1.8V≤V <sub>OUT</sub> ≤2.8V, T <sub>j</sub> = -40 to 85°C	-1.5/1.5
		@V <sub>OUT</sub> >2.8V, T <sub>j</sub> = -40 to 85°C	-1.8/1.8
	Quiescent current I <sub>B(ON)</sub> typ. (μA)	@I <sub>OUT</sub> =0mA <sup>[4]</sup>	7
	Ripple rejection ratio R.R. typ. (dB)	@f=1kHz, T <sub>a</sub> =25°C	100
		@f=10kHz, T <sub>a</sub> =25°C	93
		@f=100kHz, T <sub>a</sub> =25°C	67
		@f=1MHz, T <sub>a</sub> =25°C	59
	Output noise voltage V <sub>NO</sub> typ. (μVrms)	@I <sub>OUT</sub> =10mA, T <sub>a</sub> =25°C	5
	Drop-out voltage V <sub>DO</sub> typ. (mV)	@V <sub>OUT</sub> =2.8V, I <sub>OUT</sub> =500mA	150
	Load transient response ΔV <sub>OUT</sub> typ. (mV)	@I <sub>OUT</sub> =1mA→500mA	-40
@I <sub>OUT</sub> =500mA→1mA		40	
Output voltage slew rate V <sub>OUTSR</sub> typ. (mV/μs)	@V <sub>OUT</sub> =2.8V	30	
Sample Check & Availability		<a href="#">Buy Online</a>	