

Condition : Frequency-Range : 100Hz~100kHz, Ta=25°C

Product	CIN/CL	VOUT=1.2V / 30mA VIN=2.2V	VOUT=1.2V / 30mA VIN=5.0V	VOUT=1.8V / 30mA VIN=2.8V	VOUT=1.8V / 30mA VIN=5.0V	VOUT=3.3V / 30mA VIN=5.0V
XC6204	1uF/1uF	35.49	36.70	48.09	49.72	88.43
XC6215	1uF/1uF	77.37	77.88	95.33	95.66	99.14
XC6217	1uF/1uF	74.05	74.09	113.54	113.30	194.46
XC6220	22uF/22uF	71.85	68.64	83.49	83.24	99.79
XC6221	1uF/1uF	76.14	76.13	111.79	111.15	200.45
XC6222/27	1uF/1uF	51.53	52.21	76.29	76.24	143.28
XC6223	1uF/1uF	32.60	32.86	49.74	49.66	81.52
XC6229	1uF/1uF	30.01	30.12			78.47
XC6224	1uF/1uF	135.29	127.20	199.11	192.64	
XC6233	1uF/1uF	37.17	36.93	50.33	50.76	90.49
XC6501	1uF/1uF	83.42	85.34	90.90	91.80	142.92
XC6503	1uF/1uF	108.62	111.88	114.70	118.46	161.51
XC6401	1uF/1uF	59.34	59.96	74.83	74.90	147.77
XC6415	1uF/1uF	54.64	54.38	68.29	68.66	108.26
XC6416	1uF/1uF			106.06	105.93	
XC6420	1uF/1uF	35.14	35.31	50.66	51.46	83.87
XC6421	1uF/1uF	36.40	37.01	58.37	58.49	83.88

<Noise Data> (1/3)

Condition : Frequency-Range : 100Hz~100kHz, Ta=25°C

Product	feature	CIN/CL	[μ Vrms]	VOUT=1.2V / 30mA VIN=2.2V	[μ Vrms]	VOUT=1.2V / 30mA VIN=5.0V	[μ Vrms]	VOUT=1.8V / 30mA VIN=2.8V	[μ Vrms]	VOUT=1.8V / 30mA VIN=5.0V	[μ Vrms]	VOUT=3.3V / 30mA VIN=5.0V
XC6204	150mA / 300mA	1 μ F / 1 μ F	35.49		36.70		48.09		49.72		88.43	
XC6215	200mA / LowPower Consumption	1 μ F / 1 μ F	77.37		77.88		95.33		95.66		99.14	
XC6217	250mA / GO	1 μ F / 1 μ F	74.05		74.09		113.54		113.30		194.46	
XC6220	1000mA / GO	22 μ F / 22 μ F	71.85		68.64		83.49		83.24		99.79	
XC6221	200mA	1 μ F / 1 μ F	76.14		76.13		111.79		111.15		200.45	
XC6222 / XC6227	700mA	1 μ F / 1 μ F	51.53		52.21		76.29		76.24		143.28	

<Noise Data> (2/3)

Condition : Frequency-Range : 100Hz~100kHz, Ta=25°C

Product	feature	CIN/CL	[μ Vrms]	VOUT=1.2V / 30mA VIN=2.2V	[μ Vrms]	VOUT=1.2V / 30mA VIN=5.0V	[μ Vrms]	VOUT=1.8V / 30mA VIN=2.8V	[μ Vrms]	VOUT=1.8V / 30mA VIN=5.0V	[μ Vrms]	VOUT=3.3V / 30mA VIN=5.0V
XC6223	300mA	1 μ F/1 μ F	32.60		32.86		49.74		49.66		81.52	
XC6229	300mA /LGA4	1 μ F/1 μ F	30.01		30.12		The data hasn't been tested				78.47	
XC6224	150mA /3.6Vmax	1 μ F/1 μ F	135.29		127.20		199.11		192.64		The data hasn't been tested	
XC6233	200mA	1 μ F/1 μ F	37.17		36.93		50.33		50.76		90.49	
XC6501	200mA /CapLess	1 μ F/1 μ F	83.42		85.34		90.90		91.80		142.92	
XC6503	500mA /CapLess	1 μ F/1 μ F	108.62		111.88		114.70		118.46		161.51	

Technical Information Paper TOREX's LDO Family

<Noise Data> (3/3)

Condition : Frequency-Range : 100Hz~100kHz, Ta=25°C

Product	feature	CIN/CL	[μ Vrms]	VOUT=1.2V / 30mA VIN=2.2V	[μ Vrms]	VOUT=1.2V / 30mA VIN=5.0V	[μ Vrms]	VOUT=1.8V / 30mA VIN=2.8V	[μ Vrms]	VOUT=1.8V / 30mA VIN=5.0V	[μ Vrms]	VOUT=3.3V / 30mA VIN=5.0V
XC6401	150mA /Dual	1uF/1uF	59.34		59.96		74.83		74.90		147.77	
XC6415	200mA /Dual	1uF/1uF	54.64		54.38		68.29		68.66		108.26	
XC6416	200mA /GO /Dual	1uF/1uF	The data hasn't been tested				106.06		105.93	The data hasn't been tested.		
XC6420	150mA /Dual	1uF/1uF	35.14		35.31		50.66		51.46		83.87	
XC6421	300mA /Dual	1uF/1uF	36.40		37.01		58.37		58.49		83.88	