

To our customers,

Old Company Name in Catalogs and Other Documents

On April 1st, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

Renesas Electronics website: <http://www.renesas.com>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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RQA0005QXDQS

Silicon N-Channel MOS FET

REJ03G1325-0100

Rev.1.00

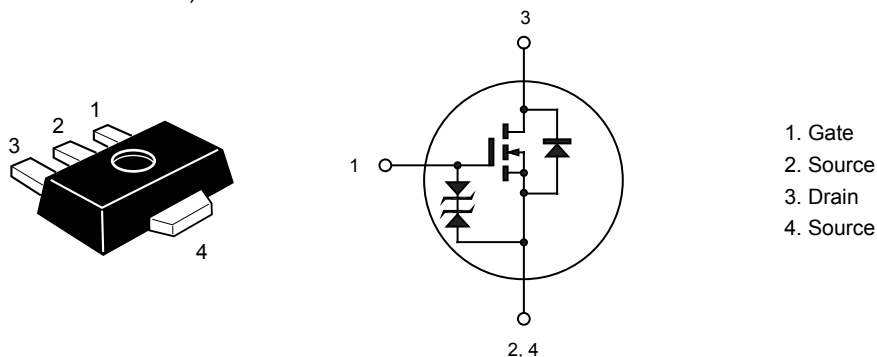
Oct 16, 2006

Features

- High Output Power, High Gain, High Efficiency
Pout = +33 dBm, Linear Gain = 21 dB, PAE = 68% (f = 520 MHz)
- Compact package capable of surface mounting

Outline

RENESAS Package code: PLZZ0004CA-A
(Package Name : UPAK®)



Note: Marking is "QX".

*UPAK is a trademark of Renesas Technology Corp.

Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Ratings	Unit
Drain to source voltage	V_{DSS}	16	V
Gate to source voltage	V_{GSS}	±5	V
Drain current	I_D	0.8	A
Channel dissipation	P_{ch}^{note1}	9	W
Channel temperature	T_{ch}	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

Note1: Value at Tc = 25°C

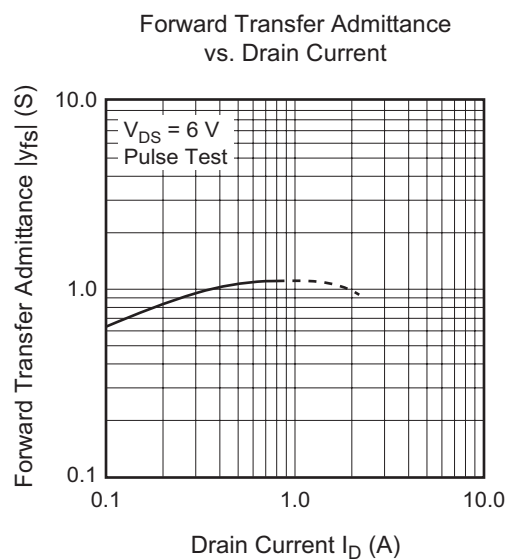
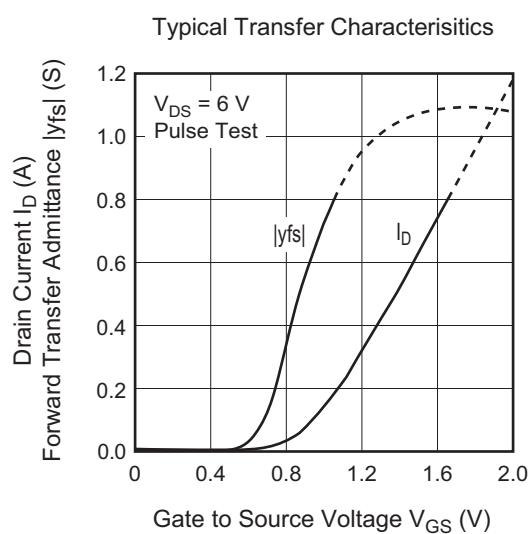
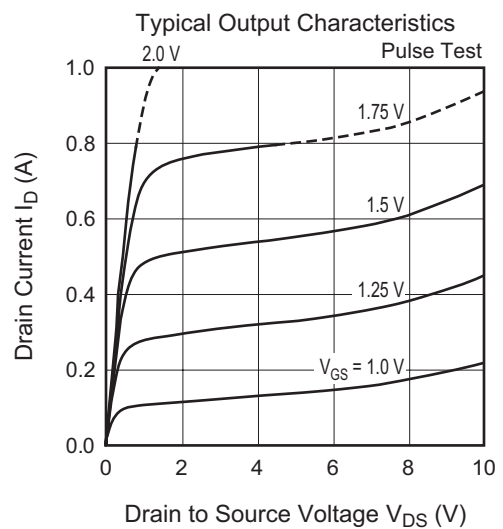
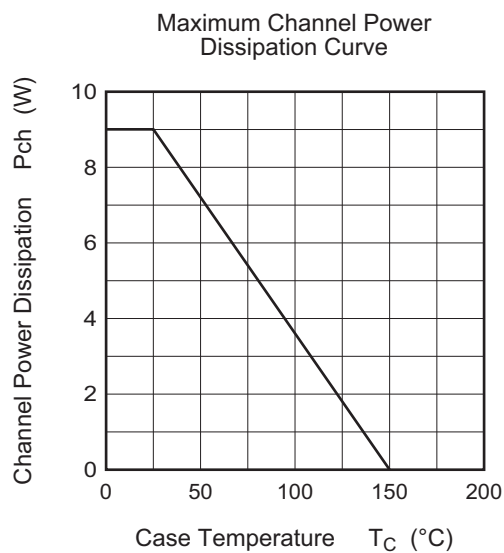
This Device is sensitive to Electro Static Discharge. An Adequate careful handling procedure is requested.

Electrical Characteristics

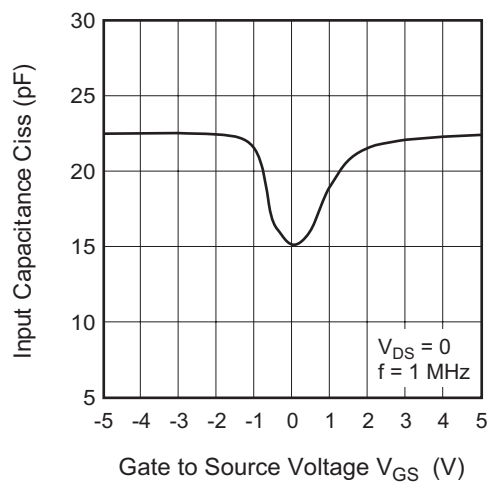
(Ta = 25°C)

Item	Symbol	Min.	Typ	Max.	Unit	Test Conditions
Zero gate voltage drain current	I_{DSS}	—	—	10	μA	$V_{DS} = 16 V, V_{GS} = 0$
Gate to source leak current	I_{GSS}	—	—	± 2	μA	$V_{GS} = \pm 5 V, V_{DS} = 0$
Gate to source cutoff voltage	$V_{GS(off)}$	0.15	0.45	0.75	V	$V_{DS} = 6 V, I_D = 1 mA$
Forward Transfer Admittance	$ y_{fs} $	0.6	1.1	1.6	S	$V_{DS} = 6 V, I_D = 600 mA$
Input capacitance	C_{iss}	—	22	—	pF	$V_{GS} = 5 V, V_{DS} = 0, f = 1 MHz$
Output capacitance	C_{oss}	—	12	—	pF	$V_{DS} = 6 V, V_{GS} = 0, f = 1 MHz$
Reverse transfer capacitance	C_{rss}	—	2.6	—	pF	$V_{DG} = 6 V, V_{GS} = 0, f = 1 MHz$
Output Power	P_{out}	32	33	—	dBm	$V_{DS} = 6 V, I_{DQ} = 200 mA$
		1.58	2	—	W	$f = 520 MHz$
Power Added Efficiency	PAE	55	68	—	%	$P_{in} = +20 dBm(100mW)$

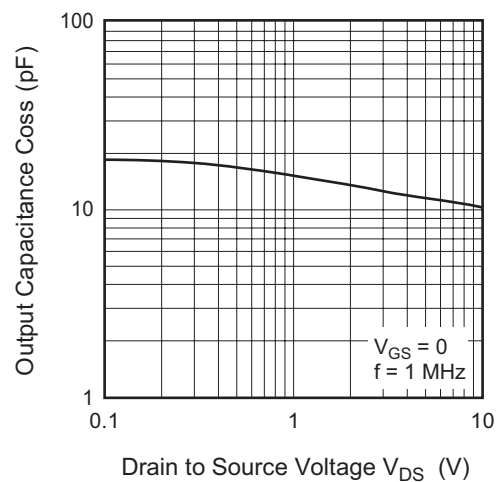
Main Characteristics



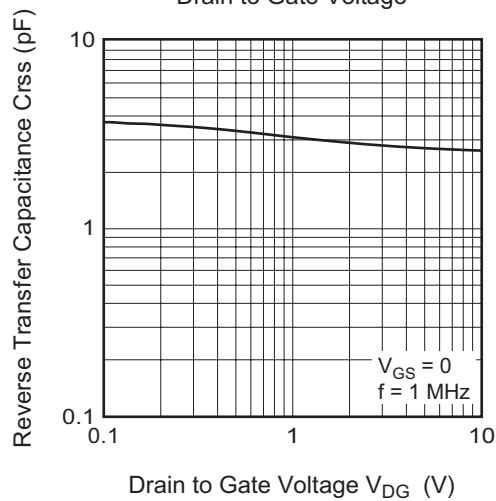
Input Capacitance vs.
Gate to Source Voltage



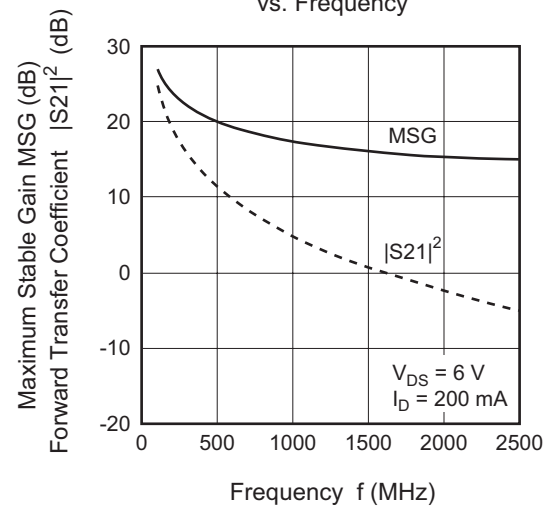
Output Capacitance vs.
Drain to Source Voltage



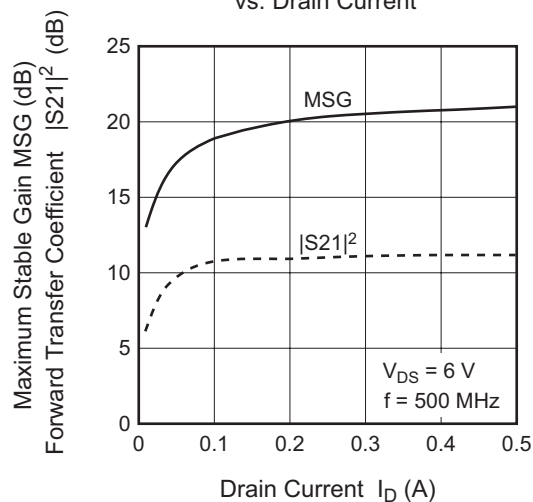
Reverse Transfer Capacitance vs.
Drain to Gate Voltage

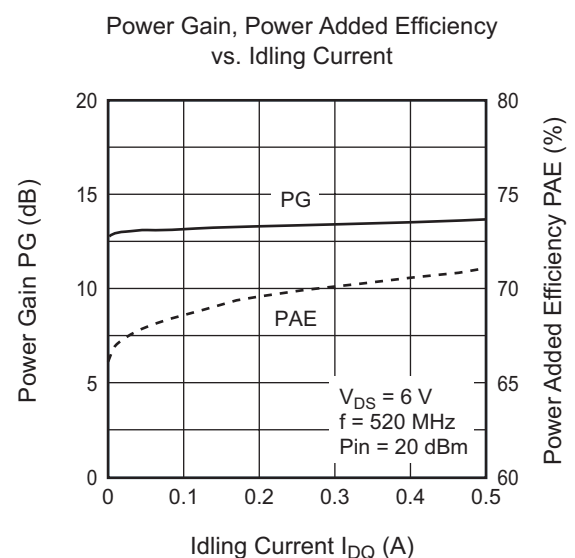
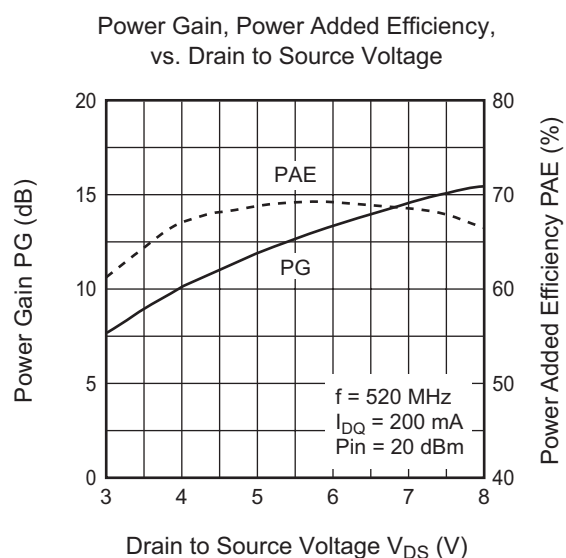
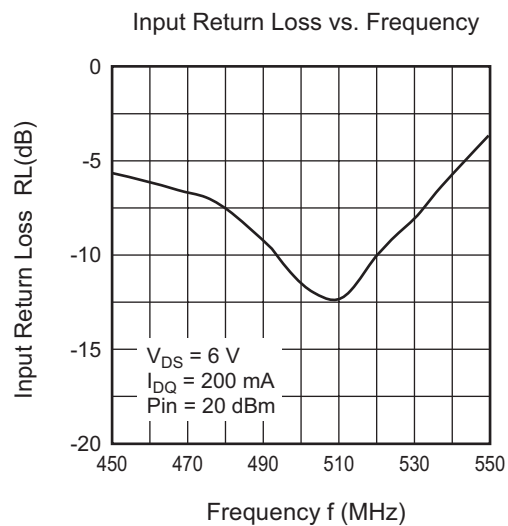
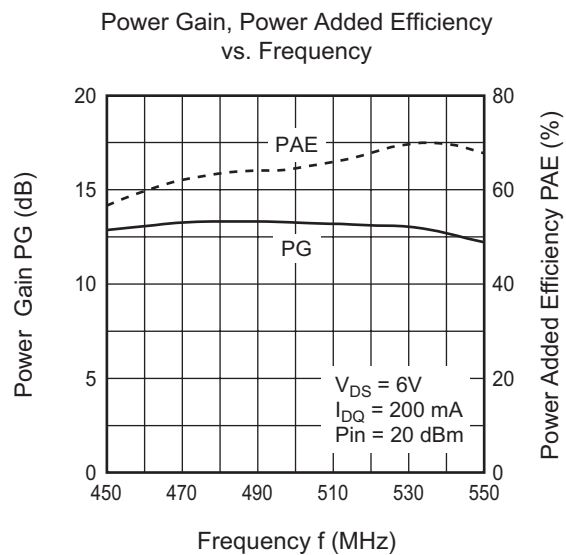
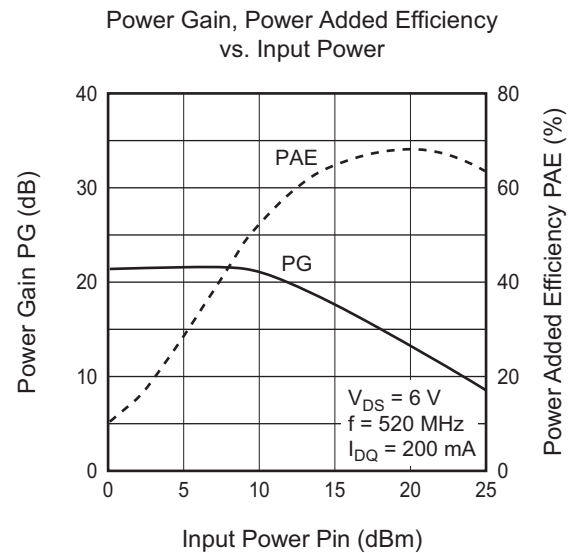
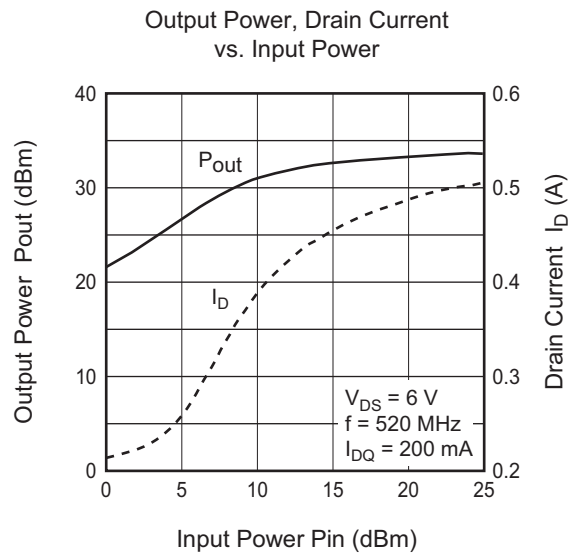


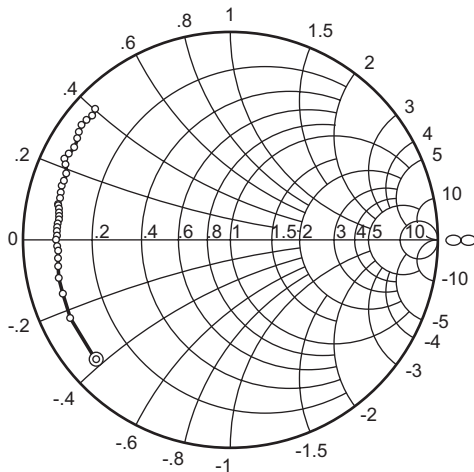
Maximum Stable Gain, $|S_{21}|^2$
vs. Frequency



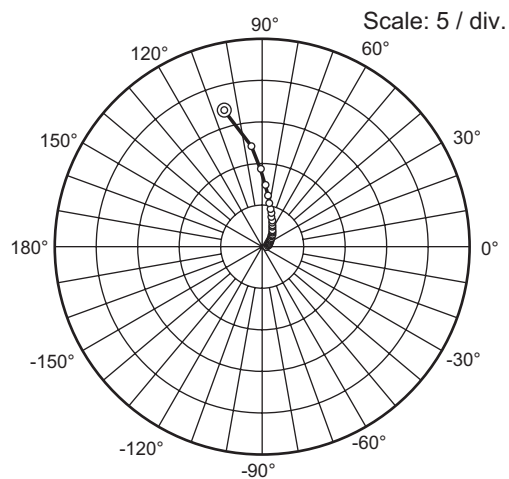
Maximum Stable Gain, $|S_{21}|^2$
vs. Drain Current



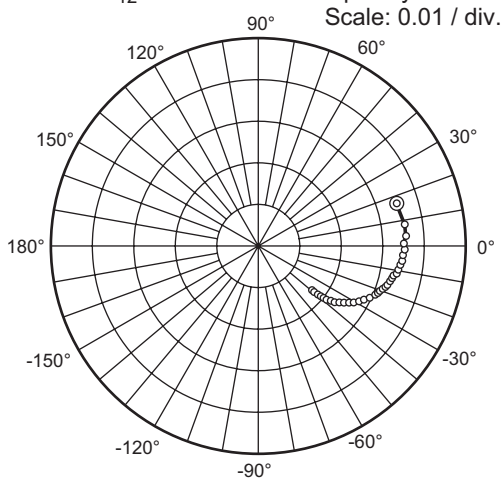


S_{11} Parameter vs. Frequency

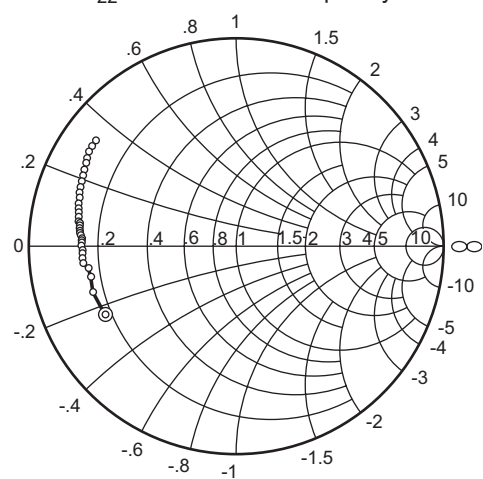
Condition: $V_{DS} = 6V$, $I_{DQ} = 200\text{ mA}$, $Z_o = 50\ \Omega$
 100 to 1000 MHz (50 MHz Step)
 1000 to 2500 MHz (200 MHz Step)

 S_{21} Parameter vs. Frequency

Condition: $V_{DS} = 6V$, $I_{DQ} = 200\text{ mA}$, $Z_o = 50\ \Omega$
 100 to 1000 MHz (50 MHz Step)
 1000 to 2500 MHz (200 MHz Step)

 S_{12} Parameter vs. Frequency

Condition: $V_{DS} = 6V$, $I_{DQ} = 200\text{ mA}$, $Z_o = 50\ \Omega$
 100 to 1000 MHz (50 MHz Step)
 1000 to 2500 MHz (200 MHz Step)

 S_{22} Parameter vs. Frequency

Condition: $V_{DS} = 6V$, $I_{DQ} = 200\text{ mA}$, $Z_o = 50\ \Omega$
 100 to 1000 MHz (50 MHz Step)
 1000 to 2500 MHz (200 MHz Step)

S Parameter

(V_{DS} = 6 V, I_{DQ} = 50 mA, Z₀ = 50 Ω)

f (MHz)	S11		S21		S12		S22	
	MAG	ANG (deg.)	MAG	ANG (deg.)	MAG	ANG (deg.)	MAG	ANG (deg.)
100	0.830	-120.1	14.22	111.4	0.055	21.1	0.656	-130.6
150	0.817	-141.3	10.45	99.2	0.057	9.9	0.657	-145.7
200	0.786	-152.5	8.13	91.6	0.058	3.3	0.643	-154.5
250	0.780	-159.3	6.44	86.1	0.057	-1.0	0.645	-159.6
300	0.791	-163.6	5.37	81.6	0.057	-5.0	0.662	-162.8
350	0.785	-167.4	4.58	77.5	0.057	-8.5	0.666	-165.5
400	0.786	-170.2	3.98	74.0	0.056	-11.6	0.672	-167.8
450	0.787	-172.2	3.51	70.5	0.055	-14.4	0.677	-169.3
500	0.792	-174.1	3.14	67.4	0.055	-17.1	0.678	-170.9
550	0.791	-175.8	2.83	64.2	0.054	-19.4	0.685	-172.1
600	0.796	-177.2	2.57	61.2	0.053	-21.8	0.691	-173.4
650	0.796	-178.6	2.36	58.3	0.052	-24.1	0.697	-174.3
700	0.798	180.0	2.17	55.4	0.051	-26.3	0.703	-175.5
750	0.802	178.5	2.01	52.6	0.051	-28.5	0.713	-176.2
800	0.803	177.2	1.86	50.1	0.049	-30.4	0.718	-177.2
850	0.810	175.9	1.73	47.3	0.049	-32.6	0.724	-178.0
900	0.813	174.8	1.62	44.9	0.048	-34.4	0.727	-179.2
950	0.820	173.7	1.51	42.2	0.047	-36.2	0.736	-179.9
1000	0.822	172.9	1.42	40.0	0.046	-38.1	0.744	-179.0
1050	0.824	172.1	1.34	37.7	0.044	-39.9	0.750	-178.1
1100	0.828	171.0	1.26	35.2	0.043	-41.6	0.758	-177.0
1150	0.826	169.7	1.19	32.9	0.042	-43.1	0.762	-175.9
1200	0.832	168.7	1.13	30.7	0.041	-44.8	0.770	-175.1
1250	0.837	167.6	1.07	28.3	0.040	-46.2	0.774	-174.0
1300	0.840	166.5	1.01	26.1	0.039	-47.7	0.781	-173.2
1350	0.843	165.6	0.96	24.0	0.038	-49.2	0.785	-172.2
1400	0.845	164.6	0.91	21.9	0.037	-50.7	0.792	-171.3
1450	0.842	163.3	0.87	19.7	0.036	-52.1	0.797	-170.1
1500	0.846	161.8	0.83	17.4	0.035	-53.3	0.800	-169.1
1550	0.853	160.7	0.79	15.3	0.034	-54.6	0.803	-167.9
1600	0.866	159.3	0.76	13.4	0.033	-55.6	0.809	-167.0
1650	0.877	158.3	0.73	11.3	0.032	-56.7	0.814	-165.8
1700	0.882	157.7	0.70	9.4	0.031	-58.2	0.815	-164.9
1750	0.882	156.6	0.68	7.5	0.030	-59.4	0.819	-163.7
1800	0.880	155.4	0.65	5.6	0.029	-60.5	0.826	-162.2
1850	0.878	154.1	0.62	3.8	0.028	-61.3	0.829	-161.1
1900	0.878	152.8	0.60	2.2	0.027	-62.4	0.832	-160.0
1950	0.882	151.3	0.58	0.8	0.027	-63.3	0.837	-158.9
2000	0.889	150.0	0.56	-1.0	0.026	-64.1	0.842	-157.7
2050	0.899	148.8	0.53	-2.7	0.025	-65.0	0.846	-156.6
2100	0.900	148.0	0.51	-4.4	0.024	-65.9	0.851	-155.3
2150	0.903	146.7	0.49	-6.5	0.023	-66.3	0.853	-154.5
2200	0.905	145.4	0.48	-8.5	0.022	-66.8	0.857	-153.3
2250	0.904	144.5	0.46	-10.4	0.022	-66.9	0.861	-152.2
2300	0.903	143.2	0.44	-12.2	0.021	-68.1	0.863	-151.1
2350	0.904	142.0	0.43	-13.8	0.020	-68.6	0.871	-149.9
2400	0.905	140.9	0.41	-15.7	0.019	-68.7	0.868	-148.9
2450	0.908	139.6	0.40	-17.2	0.019	-69.2	0.871	-147.7
2500	0.911	138.5	0.39	-18.8	0.018	-69.8	0.874	-146.5

S Parameter

(V_{DS} = 6 V, I_{DQ} = 100 mA, Z_o = 50 Ω)

f (MHz)	S11		S21		S12		S22	
	MAG	ANG (deg.)	MAG	ANG (deg.)	MAG	ANG (deg.)	MAG	ANG (deg.)
100	0.853	-132.0	16.16	107.8	0.043	18.5	0.692	-144.3
150	0.838	-150.1	11.60	97.0	0.044	8.7	0.698	-156.6
200	0.824	-159.2	8.86	90.8	0.044	3.3	0.687	-163.0
250	0.810	-164.6	7.01	86.3	0.044	0.3	0.689	-166.9
300	0.822	-168.5	5.86	82.4	0.044	-3.1	0.709	-169.7
350	0.816	-171.6	5.00	79.0	0.044	-6.1	0.709	-172.1
400	0.814	-174.1	4.35	75.9	0.043	-8.6	0.714	-174.1
450	0.818	-176.1	3.85	72.9	0.043	-11.0	0.713	-175.5
500	0.819	-177.8	3.46	70.2	0.042	-13.0	0.715	-176.8
550	0.818	-179.3	3.12	67.6	0.042	-14.8	0.718	-177.8
600	0.820	-179.5	2.84	64.8	0.041	-16.7	0.723	-178.8
650	0.819	-178.0	2.61	62.1	0.041	-18.4	0.728	-179.7
700	0.817	-176.6	2.41	59.7	0.040	-20.5	0.726	-179.3
750	0.819	-175.2	2.23	57.2	0.040	-22.2	0.735	-178.3
800	0.819	-174.1	2.08	54.8	0.039	-23.6	0.737	-177.6
850	0.821	-172.8	1.94	52.5	0.039	-25.3	0.742	-176.7
900	0.828	-171.8	1.82	50.2	0.038	-26.8	0.745	-175.8
950	0.831	-170.7	1.71	47.9	0.038	-28.2	0.749	-175.0
1000	0.835	-170.1	1.61	45.8	0.037	-29.8	0.754	-174.3
1050	0.836	-169.4	1.52	43.6	0.036	-31.3	0.755	-173.4
1100	0.835	-168.3	1.44	41.2	0.036	-32.5	0.762	-172.6
1150	0.834	-167.2	1.37	39.3	0.035	-33.8	0.764	-171.8
1200	0.839	-166.1	1.30	37.3	0.034	-35.1	0.769	-170.9
1250	0.842	-165.1	1.24	35.0	0.033	-36.2	0.774	-170.0
1300	0.845	-164.1	1.17	33.0	0.033	-37.6	0.777	-169.2
1350	0.847	-163.3	1.12	30.9	0.032	-38.8	0.781	-168.3
1400	0.846	-162.4	1.06	28.8	0.031	-40.0	0.786	-167.5
1450	0.846	-161.0	1.02	26.7	0.030	-40.9	0.787	-166.6
1500	0.848	-159.8	0.97	24.7	0.030	-41.9	0.791	-165.6
1550	0.854	-158.5	0.94	22.8	0.029	-42.8	0.794	-164.6
1600	0.866	-157.3	0.90	20.6	0.029	-43.9	0.799	-163.9
1650	0.876	-156.1	0.87	18.7	0.028	-44.9	0.801	-162.8
1700	0.883	-155.7	0.84	16.7	0.027	-45.9	0.802	-161.8
1750	0.881	-154.7	0.81	14.6	0.026	-47.1	0.806	-160.9
1800	0.881	-153.6	0.78	12.9	0.026	-47.7	0.810	-159.5
1850	0.875	-152.5	0.75	11.3	0.025	-48.3	0.815	-158.6
1900	0.873	-151.1	0.73	9.7	0.024	-49.2	0.817	-157.4
1950	0.876	-149.7	0.70	8.1	0.024	-49.8	0.822	-156.5
2000	0.887	-148.2	0.68	6.5	0.023	-50.4	0.825	-155.4
2050	0.893	-147.1	0.65	4.8	0.022	-50.9	0.829	-154.2
2100	0.896	-146.1	0.63	2.9	0.022	-51.7	0.831	-153.2
2150	0.899	-145.0	0.60	1.0	0.021	-51.9	0.840	-152.3
2200	0.901	-144.0	0.59	-1.0	0.021	-52.2	0.843	-151.4
2250	0.899	-143.0	0.56	-2.8	0.020	-52.3	0.844	-150.3
2300	0.897	-141.9	0.55	-4.7	0.020	-53.0	0.848	-149.2
2350	0.898	-140.6	0.53	-6.6	0.019	-53.4	0.851	-148.1
2400	0.901	-139.5	0.51	-8.3	0.018	-53.6	0.854	-147.2
2450	0.902	-138.3	0.50	-10.0	0.018	-53.8	0.853	-146.1
2500	0.904	-137.3	0.48	-11.7	0.017	-53.5	0.855	-144.9

S Parameter

(V_{DS} = 6 V, I_{DQ} = 200 mA, Z_o = 50 Ω)

f (MHz)	S11		S21		S12		S22	
	MAG	ANG (deg.)	MAG	ANG (deg.)	MAG	ANG (deg.)	MAG	ANG (deg.)
100	0.873	-138.5	17.05	105.8	0.035	16.9	0.714	-152.4
150	0.861	-154.0	12.18	96.4	0.036	8.2	0.730	-162.4
200	0.854	-162.2	9.29	90.9	0.036	3.7	0.719	-167.9
250	0.850	-167.3	7.37	86.6	0.035	0.7	0.723	-171.4
300	0.845	-171.0	6.14	83.2	0.035	-1.7	0.742	-173.7
350	0.839	-173.8	5.26	80.2	0.035	-4.2	0.747	-175.3
400	0.837	-176.2	4.58	77.5	0.035	-6.2	0.745	-177.1
450	0.840	-178.0	4.05	74.6	0.035	-8.0	0.744	-178.4
500	0.841	-179.7	3.64	72.0	0.034	-9.9	0.748	-180.0
550	0.840	178.8	3.29	69.6	0.034	-11.5	0.748	178.9
600	0.840	177.4	3.00	67.3	0.034	-12.7	0.750	178.1
650	0.838	176.1	2.76	64.8	0.033	-14.0	0.751	177.3
700	0.838	174.8	2.57	62.5	0.033	-15.4	0.754	176.3
750	0.836	173.5	2.37	60.2	0.033	-17.2	0.759	175.5
800	0.838	172.2	2.22	57.9	0.032	-18.1	0.760	174.6
850	0.841	171.1	2.07	55.7	0.032	-19.5	0.760	173.8
900	0.844	170.0	1.95	53.8	0.031	-20.7	0.764	172.8
950	0.848	169.1	1.84	51.7	0.031	-21.9	0.766	172.1
1000	0.849	168.4	1.73	49.7	0.031	-23.0	0.772	171.2
1050	0.849	167.6	1.64	47.6	0.030	-24.3	0.770	170.7
1100	0.849	166.7	1.56	45.5	0.030	-25.3	0.773	169.6
1150	0.847	165.6	1.48	43.5	0.029	-26.2	0.777	169.0
1200	0.851	164.5	1.41	41.7	0.029	-27.3	0.779	168.0
1250	0.854	163.4	1.35	39.6	0.028	-28.1	0.782	167.2
1300	0.854	162.4	1.28	37.7	0.028	-29.1	0.785	166.6
1350	0.855	161.6	1.22	35.7	0.027	-30.0	0.788	165.6
1400	0.855	160.7	1.17	33.6	0.027	-31.0	0.790	164.9
1450	0.855	159.4	1.12	31.7	0.026	-31.5	0.792	163.9
1500	0.856	158.2	1.07	29.6	0.026	-32.4	0.793	163.2
1550	0.863	156.7	1.03	27.6	0.025	-33.2	0.795	162.2
1600	0.875	155.8	1.00	25.6	0.025	-33.7	0.799	161.4
1650	0.883	154.8	0.96	23.9	0.024	-34.5	0.802	160.5
1700	0.890	154.1	0.93	22.0	0.024	-35.4	0.804	159.5
1750	0.887	153.4	0.90	19.9	0.023	-36.0	0.806	158.4
1800	0.884	152.2	0.87	18.2	0.023	-36.8	0.812	157.4
1850	0.879	151.0	0.84	16.5	0.022	-37.0	0.811	156.7
1900	0.877	149.7	0.81	15.1	0.022	-37.4	0.811	155.4
1950	0.880	148.4	0.79	13.6	0.021	-38.3	0.818	154.4
2000	0.888	147.0	0.76	12.0	0.021	-38.6	0.821	153.5
2050	0.893	145.7	0.74	10.4	0.020	-38.8	0.821	152.5
2100	0.899	144.9	0.71	8.5	0.020	-39.1	0.828	151.2
2150	0.902	143.7	0.69	6.4	0.020	-39.5	0.831	150.4
2200	0.904	142.7	0.67	4.5	0.019	-39.4	0.837	149.6
2250	0.900	141.7	0.64	2.7	0.019	-39.2	0.834	148.7
2300	0.902	140.5	0.62	0.9	0.019	-39.9	0.843	147.4
2350	0.899	139.4	0.61	-1.1	0.018	-40.1	0.843	146.4
2400	0.899	138.2	0.59	-2.9	0.018	-40.1	0.844	145.7
2450	0.904	137.1	0.58	-4.3	0.017	-40.1	0.845	144.7
2500	0.904	136.0	0.56	-6.2	0.017	-40.1	0.847	143.3

S Parameter

(V_{DS} = 6 V, I_{DQ} = 300 mA, Z_o = 50 Ω)

f (MHz)	S11		S21		S12		S22	
	MAG	ANG (deg.)	MAG	ANG (deg.)	MAG	ANG (deg.)	MAG	ANG (deg.)
100	0.893	-138.4	17.02	105.9	0.032	17.9	0.721	-155.6
150	0.871	-154.6	12.28	96.5	0.032	8.2	0.742	-164.6
200	0.862	-162.9	9.39	91.1	0.033	4.2	0.733	-169.8
250	0.857	-167.9	7.47	86.9	0.032	1.5	0.735	-172.9
300	0.854	-171.5	6.23	83.5	0.032	-1.2	0.752	-175.1
350	0.848	-174.5	5.33	80.5	0.032	-3.5	0.758	-176.8
400	0.850	-176.8	4.66	77.7	0.032	-5.2	0.756	-178.7
450	0.850	-178.7	4.12	75.2	0.031	-7.2	0.757	-179.7
500	0.850	179.9	3.72	72.8	0.031	-8.5	0.758	179.0
550	0.846	178.3	3.35	70.3	0.031	-9.6	0.759	177.9
600	0.847	177.0	3.06	68.1	0.031	-11.2	0.762	177.1
650	0.847	175.6	2.82	65.7	0.030	-12.3	0.764	176.0
700	0.846	174.4	2.61	63.5	0.030	-13.8	0.760	175.2
750	0.843	173.0	2.43	61.3	0.030	-14.8	0.768	174.5
800	0.845	171.6	2.26	59.1	0.029	-15.8	0.766	173.7
850	0.848	170.6	2.12	56.9	0.029	-17.1	0.769	172.7
900	0.850	169.4	2.00	54.8	0.029	-18.0	0.772	172.0
950	0.853	168.4	1.88	52.8	0.028	-19.0	0.775	171.2
1000	0.857	167.8	1.77	51.0	0.028	-20.3	0.778	170.3
1050	0.855	167.1	1.68	49.0	0.028	-21.4	0.777	169.3
1100	0.856	166.2	1.60	47.0	0.027	-22.1	0.780	168.7
1150	0.854	164.9	1.53	45.0	0.027	-22.9	0.783	168.0
1200	0.855	163.9	1.45	43.1	0.026	-23.9	0.785	167.0
1250	0.858	163.1	1.38	41.2	0.026	-24.5	0.787	166.3
1300	0.860	161.9	1.32	39.4	0.026	-25.4	0.790	165.7
1350	0.859	160.8	1.26	37.2	0.025	-26.2	0.792	164.9
1400	0.859	160.1	1.20	35.3	0.025	-27.1	0.794	163.9
1450	0.860	158.9	1.15	33.4	0.024	-27.6	0.796	162.9
1500	0.861	157.6	1.11	31.3	0.024	-28.3	0.795	162.4
1550	0.866	156.3	1.07	29.5	0.024	-28.8	0.797	161.3
1600	0.880	155.2	1.04	27.6	0.023	-29.6	0.800	160.5
1650	0.889	154.3	1.00	25.7	0.023	-30.1	0.803	159.7
1700	0.895	153.6	0.97	23.9	0.022	-30.7	0.805	158.5
1750	0.892	152.9	0.93	21.9	0.022	-31.3	0.808	157.6
1800	0.886	151.5	0.91	20.1	0.022	-31.8	0.811	156.5
1850	0.883	150.4	0.88	18.6	0.021	-32.3	0.811	155.6
1900	0.880	149.3	0.85	16.9	0.021	-32.5	0.813	154.5
1950	0.882	147.9	0.82	15.5	0.020	-33.0	0.818	153.6
2000	0.889	146.3	0.79	13.9	0.020	-33.1	0.821	152.7
2050	0.899	145.1	0.77	12.1	0.020	-33.3	0.824	151.6
2100	0.902	144.1	0.74	10.5	0.019	-33.7	0.827	150.6
2150	0.907	143.1	0.72	8.6	0.019	-33.8	0.832	149.7
2200	0.907	142.3	0.69	6.4	0.019	-34.1	0.832	148.9
2250	0.904	141.3	0.67	4.7	0.018	-33.7	0.835	147.7
2300	0.901	140.0	0.65	2.9	0.018	-34.3	0.838	146.7
2350	0.902	138.9	0.63	1.0	0.018	-34.3	0.844	145.8
2400	0.904	137.7	0.62	-0.7	0.017	-34.2	0.843	145.0
2450	0.905	136.6	0.60	-2.3	0.017	-34.2	0.845	143.8
2500	0.905	135.6	0.59	-4.1	0.017	-34.5	0.847	142.5

S Parameter

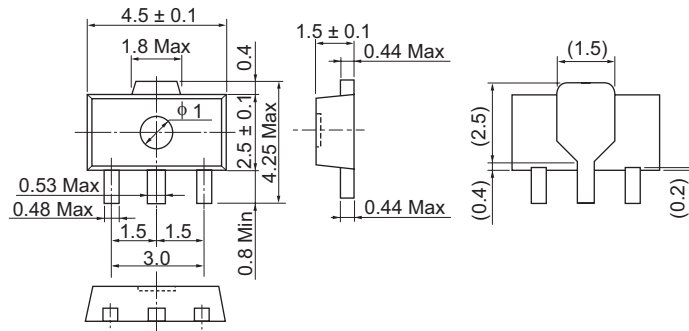
(V_{DS} = 6 V, I_{DQ} = 400 mA, Z_o = 50 Ω)

f (MHz)	S11		S21		S12		S22	
	MAG	ANG (deg.)	MAG	ANG (deg.)	MAG	ANG (deg.)	MAG	ANG (deg.)
100	0.898	-137.8	16.87	106.6	0.030	18.0	0.724	-157.3
150	0.875	-154.8	12.27	96.8	0.031	8.5	0.747	-165.4
200	0.867	-163.1	9.43	91.2	0.031	4.4	0.737	-170.5
250	0.860	-168.0	7.48	87.1	0.030	2.0	0.741	-173.6
300	0.857	-171.7	6.26	83.6	0.030	-0.7	0.760	-175.8
350	0.855	-174.5	5.35	80.9	0.030	-3.1	0.760	-177.5
400	0.851	-176.8	4.67	78.1	0.030	-4.6	0.762	-179.0
450	0.856	-178.8	4.15	75.5	0.030	-6.5	0.760	179.7
500	0.854	179.5	3.72	73.1	0.030	-7.7	0.761	178.7
550	0.851	178.1	3.37	70.7	0.030	-9.0	0.763	177.6
600	0.853	176.7	3.08	68.3	0.029	-10.3	0.766	176.5
650	0.850	175.4	2.84	65.9	0.029	-11.5	0.770	175.7
700	0.848	174.2	2.63	63.7	0.029	-12.8	0.766	174.6
750	0.848	172.8	2.44	61.6	0.028	-13.8	0.769	173.9
800	0.850	171.5	2.28	59.6	0.028	-14.8	0.771	173.3
850	0.851	170.2	2.13	57.3	0.028	-15.8	0.770	172.5
900	0.853	169.1	2.01	55.4	0.027	-16.9	0.776	171.4
950	0.857	168.3	1.89	53.7	0.027	-17.7	0.778	170.6
1000	0.861	167.6	1.79	51.6	0.027	-18.7	0.778	169.9
1050	0.858	166.8	1.70	49.6	0.027	-19.5	0.780	169.2
1100	0.860	165.9	1.61	47.6	0.026	-20.5	0.784	168.3
1150	0.856	164.8	1.53	45.5	0.026	-21.3	0.784	167.5
1200	0.859	163.7	1.46	43.7	0.025	-22.1	0.787	166.6
1250	0.862	162.5	1.40	41.7	0.025	-22.8	0.788	165.9
1300	0.861	161.7	1.33	40.0	0.025	-23.4	0.792	165.1
1350	0.862	160.8	1.27	37.9	0.024	-24.4	0.793	164.5
1400	0.862	159.9	1.21	35.8	0.024	-25.1	0.795	163.6
1450	0.861	158.6	1.17	34.1	0.023	-25.6	0.795	162.8
1500	0.864	157.4	1.12	32.2	0.023	-26.4	0.796	161.7
1550	0.870	156.0	1.08	30.3	0.023	-27.0	0.798	160.9
1600	0.882	155.0	1.05	28.1	0.022	-26.9	0.802	160.1
1650	0.891	154.0	1.01	26.4	0.022	-27.7	0.802	159.2
1700	0.895	153.4	0.98	24.5	0.022	-28.3	0.805	158.2
1750	0.892	152.5	0.95	22.8	0.021	-29.1	0.808	157.3
1800	0.888	151.3	0.92	20.9	0.021	-29.2	0.809	156.3
1850	0.884	150.3	0.89	19.3	0.021	-29.5	0.811	155.3
1900	0.881	148.9	0.86	17.9	0.020	-29.9	0.813	154.3
1950	0.883	147.5	0.83	16.3	0.020	-30.4	0.818	153.3
2000	0.892	146.1	0.81	14.6	0.019	-30.3	0.820	152.2
2050	0.899	144.8	0.78	13.1	0.019	-30.4	0.821	151.4
2100	0.903	143.8	0.75	11.2	0.019	-31.0	0.826	150.4
2150	0.907	142.9	0.73	9.4	0.019	-30.9	0.830	149.4
2200	0.910	141.8	0.70	7.1	0.018	-31.1	0.831	148.3
2250	0.906	140.8	0.68	5.4	0.018	-30.6	0.833	147.3
2300	0.903	139.8	0.66	3.6	0.018	-31.3	0.837	146.6
2350	0.906	138.6	0.65	1.8	0.017	-31.2	0.840	145.5
2400	0.905	137.4	0.63	0.0	0.017	-31.2	0.841	144.7
2450	0.906	136.4	0.61	-1.6	0.017	-31.1	0.843	143.5
2500	0.905	135.3	0.59	-3.4	0.017	-30.9	0.843	142.3

Package Dimensions

Package Name	JEITA Package Code	RENESAS Code	Previous Code	MASS[Typ.]
UPAK	SC-62	PLZZ0004CA-A	UPAK / UPAKV	0.050g

Unit: mm



Ordering Information

Part Name	Quantity	Shipping Container
RQA0005QXTL-E	1000 pcs.	$\phi 178$ mm Reel, 12 mm Emboss Taping

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Unit 204, 205, AZIA Center, No.1233 Lujiazui Ring Rd, Pudong District, Shanghai, China 200120
Tel: <86> (21) 5877-1818, Fax: <86> (21) 6887-7898

Renesas Technology Hong Kong Ltd.
7th Floor, North Tower, World Finance Centre, Harbour City, 1 Canton Road, Tsimshatsui, Kowloon, Hong Kong
Tel: <852> 2265-6688, Fax: <852> 2730-6071

Renesas Technology Taiwan Co., Ltd.
10th Floor, No.99, Fushing North Road, Taipei, Taiwan
Tel: <886> (2) 2715-2888, Fax: <886> (2) 2713-2999

Renesas Technology Singapore Pte. Ltd.
1 Harbour Front Avenue, #06-10, Keppel Bay Tower, Singapore 098632
Tel: <65> 6213-0200, Fax: <65> 6278-8001

Renesas Technology Korea Co., Ltd.
Kukje Center Bldg. 18th Fl., 191, 2-ka, Hangang-ro, Yongsan-ku, Seoul 140-702, Korea
Tel: <82> (2) 796-3115, Fax: <82> (2) 796-2145

Renesas Technology Malaysia Sdn. Bhd
Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No.18, Jalan Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia
Tel: <603> 7955-9390, Fax: <603> 7955-9510