



# RAD-Hard MOSFETs and ICs Product Selection Guide

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**IOR** HiRel  
An Infineon Technologies Company



With the introduction of the first RAD-Hard MOSFET in 1985 to its latest generation of devices, IRHiRel has continually exceeded engineers expectations.

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## R8 RAD-Hard Logic Gate Power MOSFETs

Total Ionization Dose to 300 krad(Si), SEE immuned to LET=81 MeV.cm<sup>2</sup>/mg

Part Number	JEDEC Part Number	Package	V <sub>DS</sub> (V)	R <sub>DS(on)</sub> @25°C (Ω)	I <sub>D</sub> @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
Single N-Channel							
IRHLNM87Y20	Not Available	SMD-0.2	20	0.015	17	36	IRHLNM87Y20SCS
IRHLF87Y20	Not Available	TO-205AF	20	0.032	12	15.6	IRHLF87Y20SCS

## R7 RAD-Hard Logic Gate Power MOSFETs

Total Ionization Dose to 300 krad(Si), SEE immuned to LET=85 MeV.cm<sup>2</sup>/mg

Part Number	JEDEC Part Number	Package	V <sub>DS</sub> (V)	R <sub>DS(on)</sub> @25°C (Ω)	I <sub>D</sub> @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
Single N-Channel							
IRHLUB770Z4 <sup>1</sup>	2N7616UB	LCC-3	60	0.68	0.8	0.6	744
IRHLNM77110	Not Available	SMD-0.2	100	0.29	6.5	23	IRHLNM77110SCS
IRHLNJ77034	Not Available	SMD-0.5	60	0.035	22	57	IRHLNJ77034SCS
IRHLNA77064	Not Available	SMD-2	60	0.012	56	250	IRHLNA77064SCS
IRHLF770Z4	Not Available	TO-205AF	60	0.5	1.6	5	IRHLF770Z4SCS
IRHLF77110	2N7608T2	TO-205AF	100	0.3	6	23	752
IRHLF77214 <sup>2</sup>	2N7610T2	TO-205AF	250	1	3.3	23	752
IRHLYS77034CM	Not Available	TO-257AA Low Ohmic	60	0.045	20	75	IRHLYS77034CMSCS
Single N-Channel							
IRHLUB7970Z4 <sup>1</sup>	2N7626UB	LCC-3	-60	1.4	-0.53	0.6	745
IRHLNJ797034	Not Available	SMD-0.5	-60	0.072	-22	57	IRHLNJ797034SCS
IRHLNA797064	Not Available	SMD-2	-60	0.015	-56	250	IRHLNA797064SCS
IRHLF7970Z4	Not Available	TO-205AF	-60	1.2	-1.6	5	IRHLF7970Z4SCS
IRHLYS797034CM	Not Available	TO-257AA Low Ohmic	-60	0.072	-20	75	IRHLYS797034CMSCS
Dual N-Channel							
IRHLUC770Z4	Not Available	LCC-6	60	0.75	0.89	1	IRHLUC770Z4SCS
Dual P-Channel							
IRHLUC7970Z4	Not Available	LCC-6	60	1.6	-0.65	1	IRHLUC7970Z4SCS
Dual 1N/1P-Channel							
IRHLUC7670Z4	Not Available	LCC-6	60	0.75/ 1.35	0.89/ -0.65	1	IRHLUC7670Z4SCS
Quad N-Channel							
IRHLG770Z4 <sup>2</sup>	2N7618M1	MO-036AB	60	0.6	1.07	1	IRHLG770Z4SCS
IRHLG77110 <sup>2</sup>	2N7612M1	MO-036AB	100	0.22	1.8	1.4	IRHLG77110SCS
IRHLG77214 <sup>2</sup>	2N7614M1	MO-036AB	250	1.1	0.8	1.4	IRHLG77214SCS
IRHLQ77214 <sup>2</sup>	2N7615U6	28-pin LCC	250	1	2.6	12	IRHLQ77214SCS
Quad P-Channel							
IRHLG7970Z4	Not Available	MO-036AB	60	1.25	-0.71	1	IRHLG7970Z4SCS
Quad 2N/2P-Channel							
IRHLG7670Z4	Not Available	MO-036AB	60	0.6/ 1.25	1.07/ -0.71	1	IRHLG7670Z4SCS

<sup>1</sup> Available with grounded or isolated metal lid or ceramic lid.<sup>2</sup> Qualification in progress.

## R6 RAD-Hard Power MOSFETs

Total Ionization Dose to 300 krad(Si), SEE immuned to LET=90 MeV.cm<sup>2</sup>/mg

Part Number	JEDEC Part Number	Package	$V_{DS}$ (V)	$R_{DS(on)}$ @25°C (Ω)	$I_D$ @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
Single N-Channel							
IRHNJ67130	2N7587U3	SMD-0.5	100	0.042	22	75	746
IRHNJ67134	2N7589U3	SMD-0.5	150	0.088	19	75	746
IRHNJ67230	2N7591U3	SMD-0.5	200	0.13	16	75	746
IRHNJ67234 <sup>2</sup>	2N7593U3	SMD-0.5	250	0.21	12.4	75	746
IRHNJ67C30 <sup>2</sup>	2N7598U3	SMD-0.5	600	2.9	3.4	75	746
IRHNA67160 <sup>2</sup>	2N7579U2	SMD-2	100	0.01	56	250	760
IRHNA67164 <sup>2</sup>	2N7581U2	SMD-2	150	0.018	56	250	760
IRHNA67260 <sup>2</sup>	2N7583U2	SMD-2	200	0.028	56	250	760
IRHNA67264	2N7586U2	SMD-2	250	0.04	50	250	753

Total Ionization Dose to 1000 krad(Si), SEE immuned to LET=90 MeV.cm<sup>2</sup>/mg

Part Number	JEDEC Part Number	Package	$V_{DS}$ (V)	$R_{DS(on)}$ @25°C (Ω)	$I_D$ @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
Single N-Channel							
IRHYS67130CM <sup>2</sup>	2N7588T3	TO-257AA Low Ohmic	100	0.042	20	75	755
IRHYS67134CM <sup>2</sup>	2N7590T3	TO-257AA Low Ohmic	150	0.09	19	75	755
IRHYS67230CM <sup>2</sup>	2N7592T3	TO-257AA Low Ohmic	200	0.13	16	75	755
IRHYS67234CM <sup>2</sup>	2N7594T3	TO-257AA Low Ohmic	250	0.22	12	75	755
IRHY67C30CM	Not Available	TO-257AA	600	3	3.4	75	753
IRHMS67160 <sup>2</sup>	2N7580T1	TO-254AA Low Ohmic	100	0.011	45	208	753
IRHMS67164 <sup>2</sup>	2N7582T1	TO-254AA Low Ohmic	150	0.019	45	208	753
IRHMS67260 <sup>2</sup>	2N7584T1	TO-254AA Low Ohmic	200	0.029	45	208	753
IRHMS67264	2N7586T1	TO-254AA Low Ohmic	250	0.041	45	208	753

## R5 RAD-Hard Power MOSFETs

Total Ionization Dose to 1000 krad(Si), SEE immuned to LET=82 MeV.cm<sup>2</sup>/mg

Part Number	JEDEC Part Number	Package	$V_{DS}$ (V)	$R_{DS(on)}$ @25°C (Ω)	$I_D$ @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
Single N-Channel							
IRHNM57110	2N7503U8	SMD-0.2	100	0.22	6.9	23	743
IRHE57Z30	2N7494U5	18-pin LCC	30	0.07	12	25	700
IRHE57034	2N7495U5	18-pin LCC	60	0.08	12	25	700
IRHE57130	2N7496U5	18-pin LCC	100	0.11	10	25	700
IRHNJ57Z30	2N7479U3	SMD-0.5	30	0.02	22	75	703
IRHNJ57034	2N7480U3	SMD-0.5	60	0.03	22	75	703
IRHNJ57130	2N7481U3	SMD-0.5	100	0.075	22	75	703
IRHNA57Z60	2N7467U2	SMD-2	30	0.0035	75	250	683
IRHNA57064	2N7468U2	SMD-2	60	0.0056	75	250	673
IRHNA57160	2N7469U2	SMD-2	100	0.012	75	250	673

<sup>2</sup> Qualification in progress.

## R5 RAD-Hard Power MOSFETs

Total Ionization Dose to 1000 krad(Si), SEE immuned to LET=82 MeV.cm<sup>2</sup>/ mg

Part Number	JEDEC Part Number	Package	V <sub>DSS</sub> (V)	R <sub>DS(on)</sub> @25°C (Ω)	I <sub>D</sub> @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
Single N-Channel							
IRHF57Z30	2N7491T2	TO-205AF	30	0.045	12	25	701
IRHF57034	2N7492T2	TO-205AF	60	0.048	12	25	701
IRHF57130	2N7493T2	TO-205AF	100	0.08	11.7	25	701
IRHY57Z30CM	2N7482T3	TO-257AA	30	0.03	18	75	702
IRHY57034CM	2N7483T3	TO-257AA	60	0.04	18	75	702
IRHY57130CM	2N7484T3	TO-257AA	100	0.07	18	75	702
IRHM57Z60	Not Available	TO-254AA	30	0.0095	35	250	IRHM57Z60SCS
IRHM57064		TO-254AA	60	0.012	35	250	IRHM57064SCS
IRHM57160		TO-254AA	100	0.018	35	250	IRHM57160SCS
IRHMS57Z60	2N7478T1	TO-254AA Low Ohmic	30	0.0045	45	208	697
IRHMS57064	2N7470T1	TO-254AA Low Ohmic	60	0.0066	45	208	698
IRHMS57160	2N7471T1	TO-254AA Low Ohmic	100	0.013	45	208	698
Quad N-Channel							
IRHQ57110	Not Available	28-pin LCC	100	0.27	4.6	12	IRHQ57110SCS
IRHG57110	Not Available	MO-036AB	100	0.29	1.6	1.4	IRHG57110SCS

Total Ionization Dose to 100 krad(Si), SEE immuned to LET=82 MeV.cm<sup>2</sup>/ mg

Part Number	JEDEC Part Number	Package	V <sub>DSS</sub> (V)	R <sub>DS(on)</sub> @25°C (Ω)	I <sub>D</sub> @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
Single N-Channel							
IRHE57133SE	2N7500U5	18-pin LCC	130	0.1	9	25	707
IRHNJ57133SE	2N7485U3	SMD-0.5	130	0.08	20	75	704
IRHNJ57230SE	2N7486U3	SMD-0.5	200	0.22	12	75	704
IRHNJ57234SE	2N7555U3	SMD-0.5	250	0.4	10	75	704
IRHN57250SE	Not Available	SMD-1	200	0.06	31	150	IRHN57250SESCS
IRHNA57163SE	2N7472U2	SMD-2	130	0.0135	75	250	684
IRHNA57260SE	2N7473U2	SMD-2	200	0.038	55	250	684
IRHNA57264SE	2N7474U2	SMD-2	250	0.06	49	250	684
IRHF57133SE	2N7497T2	TO-205AF	130	0.1	10.5	25	706
IRHF57230SE	2N7498T2	TO-205AF	200	0.24	7	25	706
IRHF57214SE	Not Available	TO-205AF	250	1.55	2.2	15	IRHF57214SESCS
IRHF57234SE		TO-205AF	250	0.42	5.4	25	IRHF57234SESC
IRHY57133CMSE	2N7488T3	TO-257AA	130	0.09	18	75	705
IRHY57230CMSE	2N7489T3	TO-257AA	200	0.23	12	75	705
IRHY57234CMSE	Not Available	TO-257AA	250	0.41	10	75	IRHY57234CMSESCS
IRHM57260SE	Not Available	TO-254AA	200	0.044	35	250	IRHM57260SESCS
IRHM57264SE		TO-254AA	250	0.066	35	250	IRHM57264SESCS
IRHMS57163SE	2N7475T1	TO-254AA Low Ohmic	130	0.0145	45	208	685
IRHMS57260SE	2N7476T1	TO-254AA Low Ohmic	200	0.044	45	208	685
IRHMS57264SE	2N7477T1	TO-254AA Low Ohmic	250	0.061	37	208	685
Quad N-Channel							
IRHQ57214SE	Not Available	28-pin LCC	250	1.5	1.9	12	IRHQ57214SESCS

**Total Ionization Dose to 300 krad(Si), SEE immuned to LET=82 MeV.cm<sup>2</sup>/ mg**

Part Number	JEDEC Part Number	Package	BV <sub>DSS</sub> (V)	R <sub>DS(on)</sub> @25°C (Ω)	I <sub>D</sub> @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
<b>Single P-Channel</b>							
IRHNM597110	2N7506U8	SMD-0.2	-100	1.2	-3.1	23	749
IRHNJ597Z30	2N7519U3	SMD-0.5	-30	0.07	-22	75	732
IRHNJ597034	2N7520U3	SMD-0.5	-60	0.06	-22	75	732
IRHNJ597130	2N7545U3	SMD-0.5	-100	0.205	-12.5	75	712
IRHNJ597230	2N7546U3	SMD-0.5	-200	0.505	-8	75	712
IRHNA597Z60	2N7523U2	SMD-2	-30	0.013	-56	250	733
IRHNA597064	2N7524U2	SMD-2	-60	0.015	-56	250	733
IRHNA597160	2N7550U2	SMD-2	-100	0.049	-52	250	713
IRHNA597260	2N7549U2	SMD-2	-200	0.102	-35.5	250	713
IRHF597110	Not Available	TO-205AF	-100	1	-2.6	15	IRHF597110SCS
IRHF597130		TO-205AF	-100	0.24	-6.7	25	IRHF597130SCS
IRHF597230		TO-205AF	-200	0.54	-4.5	25	IRHF597230SCS
IRHY597034CM	2N7520T3	TO-257AA	-60	0.095	-18	75	732
IRHY597130CM	2N7547T3	TO-257AA	-100	0.215	-12.5	75	712
IRHY597230CM	2N7548T3	TO-257AA	-200	0.515	-8	75	712
IRHYS597Z30CM	2N7519T3	TO-257AA Low Ohmic	-30	0.072	-20	75	732
IRHYS597034CM	2N7520T3	TO-257AA Low Ohmic	-60	0.087	-20	75	732
IRHMS597Z60	2N7523T1	TO-254AA Low Ohmic	-30	0.014	-45	208	733
IRHMS597064	2N7524T1	TO-254AA Low Ohmic	-60	0.017	-45	208	733
IRHMS597160	2N7550T1	TO-254AA Low Ohmic	-200	0.05	-45	208	713
IRHMS597260	2N7549T1	TO-254AA Low Ohmic	-200	0.103	-32	208	713
<b>Quad P-Channel</b>							
IRHG597110	2N7526	MO-036AB	-100	0.96	-0.96	1.4	736
IRHQ597110	2N7522U	28-pin LCC	-100	1.2	-2.8	12	736

**Total Ionization Dose to 300 krad(Si), SEE immuned to LET=37 MeV.cm<sup>2</sup>/ mg**

Part Number	JEDEC Part Number	Package	BV <sub>DSS</sub> (V)	R <sub>DS(on)</sub> @25°C (Ω)	I <sub>D</sub> @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
<b>Quad 2N/2P-Channel</b>							
IRHG567110 <sup>2</sup>	2N7525	MO-036AB	100	0.29/ 0.96	0.29/ -0.96	1.4	736
IRHQ567110	2N7521U	28-pin LCC	100	0.27/ 0.96	4.6/ -2.8	12	736

## R5 RAD-Hard Synchronous Rectifiers

**Total Ionization Dose to 1000 krad(Si), SEE immuned to LET=82 MeV.cm<sup>2</sup>/ mg**

Part Number	Package	BV <sub>DSS</sub> (V)	R <sub>DS(on)</sub> @25°C (pre-Irradiation) (Ω)	I <sub>D</sub> @25°C (A)	Power Dissipation (W)	Total Inductance	Forward Voltage Max (V)	DLA Slash Sheet or IRHiRel QIRL Number
<b>N-Channel MOSFET &amp; Schottky Copack</b>								
IRHSLNA57064	SMD-2	60	0.004	75	250	6.6	0.9	IRHSLNA57064SCS
IRHSLNA57Z60	SMD-2	30	0.0061	75	250	6.5	1.05	IRHSLNA57Z60SCS
IRHSNA57064	SMD-2	60	0.0056	75	250	7.03	0.9	IRHSNA57064SCS
IRHSNA57Z60	SMD-2	30	0.0035	75	250	7.03	1.05	IRHSNA57Z60SCS

<sup>2</sup> Qualification in progress.

## Gen 4 RAD-Hard Power MOSFETs

Total Ionizing Dose 100 krad(Si), SEE immune to LET=82MeV/cm<sup>2</sup>. mg

Part Number	JEDEC Part Number	Package	$V_{DS}$ (V)	$R_{DS(on)}$ @25°C (Ω)	$I_D$ @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
Single N-Channel							
IRHNJ7330SE	2N7465U3	SMD-0.5	400	1.2	5.3	75	676
IRHNJ7430SE	2N7466U3	SMD-0.5	500	1.6	4.5	75	676
IRHN7250SE	Not Available	SMD-1	200	0.1	26	150	IRHN7250SESCS
IRHN7450SE		SMD-1	500	0.51	12	151	IRHN7450SESCS
IRHN7C50SE		SMD-1	600	0.6	10.4	150	IRHN7C50SESCS
IRHNA7264SE	Not Available	SMD-2	250	0.11	34	300	IRHNA7264SESCS
IRHNA7360SE		SMD-2	400	0.2	24	300	IRHNA7360SESCS
IRHNA7460SE		SMD-2	500	0.32	20	300	IRHNA7460SESCS
IRH7450SE	Not Available	TO-204AA	500	0.51	12	151	IRH7450SESCS
IRHF7330SE	2N7463T2	TO-205AF	400	1.2	3	25	675
IRHF7430SE	2N7464T2	TO-205AF	500	1.65	2.6	25	675
IRHM7264SE	2N7434	TO-254AA	250	0.11	31	250	661
IRHM7360SE	2N7391	TO-254AA	400	0.2	22	250	661
IRHM7450SE	Not Available	TO-254AA	500	0.51	12	151	IRHM7450SESCS
IRHM7460SE	2N7392	TO-254AA	500	0.32	18	250	661
IRHM7C50SE	Not Available	TO-254AA	600	0.6	10.4	151	IRHM7C50SESCS

Total Ionizing Dose 1000 krad(Si), SEE immune to LET=37MeV/cm<sup>2</sup>. mg

Part Number	JEDEC Part Number	Package	$V_{DS}$ (V)	$R_{DS(on)}$ @25°C (Ω)	$I_D$ @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
Single N-Channel							
IRHE7110	Not Available	18-pin LCC	100	0.6	3.5	15	IRHE7110SCS
IRHE7130	2N7261U	18-pin LCC	100	0.18	8	25	601
IRHE7230	2N7262U	18-pin LCC	200	0.35	5.5	25	601
IRHNJ7130	Not Available	SMD-0.5	100	0.18	14.4	75	IRHNJ7130SCS
IRHNJ7230		SMD-0.5	200	0.4	9.4	75	IRHNJ7230SCS
IRHN7054	2N7394U	SMD-1	60	0.027	35	150	603
IRHN7150	2N7268U	SMD-1	100	0.065	34	150	603
IRHN7230	Not Available	SMD-1	200	0.4	9	75	IRHN7230SCS
IRHN7250	2N7269U	SMD-1	200	0.1	26	150	603
IRHN7450	2N7270U	SMD-1	500	0.45	11	150	603
IRHNA7Z60	Not Available	SMD-2	30	0.009	75	300	IRHNA7Z60SCS
IRHNA7064	2N7431U	SMD-2	60	0.015	75	300	664
IRHNA7160	2N7432U	SMD-2	100	0.04	51	300	664
IRHNA7260	2N7433U	SMD-2	200	0.07	43	300	664
IRH7130	Not Available	TO-204AA	100	0.18	14	75	IRH7130SCS
IRH7450		TO-204AA	500	0.45	11	150	IRH7450SCS
IRH7250	Not Available	TO-204AE	200	0.11	26	150	IRH7250SCS
IRHF7110	Not Available	TO-205AF	100	0.6	3.5	15	IRHF7110SCS
IRHF7130	2N7261	TO-205AF	100	0.18	8	25	601
IRHF7230	2N7262	TO-205AF	200	0.35	5.5	25	601
IRHY7130CM	2N7380	TO-257AA	100	0.18	14.4	75	614
IRHY7230CM	2N7381	TO-257AA	200	0.4	9.4	75	614
IRHM7Z60	Not Available	TO-254AA	30	0.014	35	250	IRHM7Z60SCS



Total Ionizing Dose 1000 krad(Si), SEE immune to LET=37MeV/cm<sup>2</sup>. mg

Part Number	JEDEC Part Number	Package	$V_{DS5}$ (V)	$R_{DS(on)}$ @25°C (Ω)	$I_D$ @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
Single N-Channel							
IRHM7130	Not Available	TO-254AA	100	0.18	14	75	IRHM7130SCS
IRHM7150	2N7268	TO-254AA	100	0.065	34	150	603
IRHM7160	2N7432	TO-254AA	100	0.045	35	250	663
IRHM7250	2N7269	TO-254AA	200	0.1	26	150	603
IRHM7260	2N7433	TO-254AA	200	0.07	35	250	663
IRHM7450	2N7270	TO-254AA	500	0.45	11	150	603
Quad N-Channel							
IRHG7110	Not Available	MO-036AB	100	0.6	1	1.4	IRHG7110SCS
IRHQ7110	Not Available	28-pin LCC	100	0.6	3	12	IRHQ7110SCS

Total Ionizing Dose 100 krad(Si), SEE immune to LET=82MeV/cm<sup>2</sup>. mg

Part Number	JEDEC Part Number	Package	$V_{DS5}$ (V)	$R_{DS(on)}$ @25°C (Ω)	$I_D$ @25°C (A)	Power Dissipation (W)	DLA Slash Sheet or IRHiRel QIRL Number
Single P-Channel							
IRHE9110	Not Available	18-pin LCC	-100	1.1	-2.3	15	IRHE9110SCS
IRHE9130	2N7389U	18-pin LCC	-100	0.3	-6.5	25	630
IRHE9230	2N7390U	18-pin LCC	-200	0.8	-4	25	630
IRHNJ9130	Not Available	SMD-0.5	-100	0.29	-11	75	IRHNJ9130SCS
IRHN9130	Not Available	SMD-1	-100	0.3	-11	75	IRHN9130SCS
IRHN9150	2N7422U	SMD-1	-100	0.08	-22	150	662
IRHN9230	Not Available	SMD-1	-200	0.8	-6.5	75	IRHN9230SCS
IRHN9250	2N7423U	SMD-1	-200	0.315	-14	150	662
IRHNA9064	2N7424U	SMD-2	-60	0.045	-48	300	660
IRHNA9160	2N7425U	SMD-2	-100	0.068	-38	300	660
IRHNA9260	2N7426U	SMD-2	-200	0.154	-29	300	660
IRH9130	Not Available	TO-204AA	-100	0.3	-11	75	IRH9130SCS
IRH9150	Not Available	TO-204AE	-100	0.075	-22	150	IRH9150SCS
IRH9250		TO-204AE	-200	0.315	-14	150	IRH9250SCS
IRHF9130	2N7389	TO-205AF	-100	0.3	-6.5	25	630
IRHF9230	2N7390	TO-205AF	-200	0.8	-4	25	630
IRHY9130CM	2N7382	TO-257AA	-100	0.3	-11	75	615
IRHY9230CM	2N7383	TO-257AA	-200	0.8	-6.5	75	615
IRHM9064	2N7424	TO-254AA	-60	0.05	-35	250	660
IRHM9150	2N7422	TO-254AA	-100	0.08	-22	150	662
IRHM9160	2N7425	TO-254AA	-100	0.073	-35	250	660
IRHM9230	Not Available	TO-254AA	-200	0.8	-6.5	75	IRHM9230SCS
IRHM9250	2N7423	TO-254AA	-200	0.315	-14	150	662
IRHM9260	2N7426	TO-254AA	-200	0.16	-27	250	660
Quad P-Channel							
IRHG9110	Not Available	MO-036AB	-100	1.1	-0.75	1.4	IRHG9110SCS
IRHQ9110	Not Available	28-pin LCC	-100	1.1	-2.3	12	IRHQ9110SCS
Quad 2N/2P-Channel							
IRHQ6110	Not Available	28-pin LCC	100	0.38/ 0.88	3/ -2.2	12	IRHQ6110SCS
IRHG6110	Not Available	MO-036AB	100	0.7/ 1.4	1/ -0.75	1.4	IRHG6110SCS

## Gate Driver IC

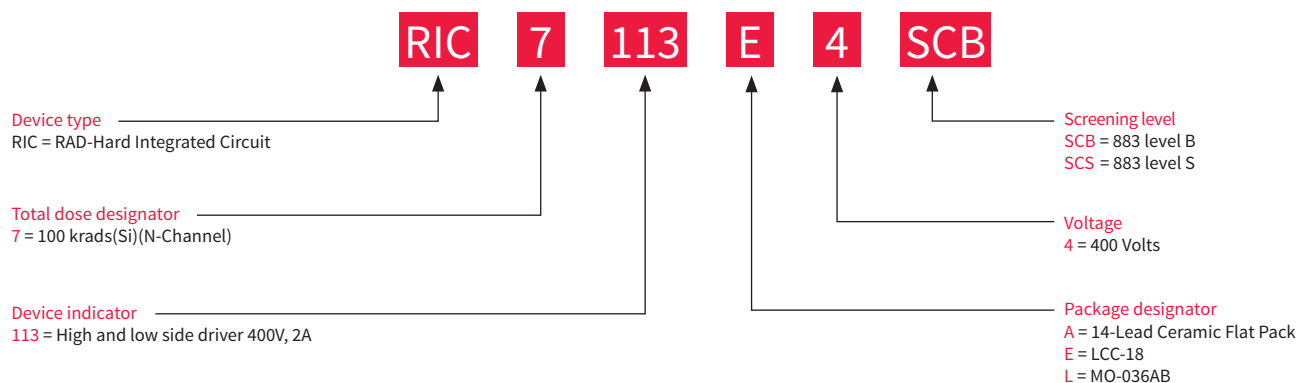
Total Ionizing Dose 100 krad(Si), SEE immune to LET=82MeV/cm<sup>2</sup>. mg

Part Number	Package	Offset Voltage (V)	Output Voltage (V)	Supply Voltage (V)	I <sub>OUT</sub> Source/Sink (A)	Delay Matching Max (ns)	Propagation Delay Typ (ns)
HI & LO MOS Drivers							
RIC7113A4	14-Lead FlatPak	400	10	20	+/-2	20	120/100
RIC7113E4	18-pin LCC	400	10	20	+/-2	20	120/100
RIC7113L4	MO-036AB	400	10	20	+/-2	20	120/100

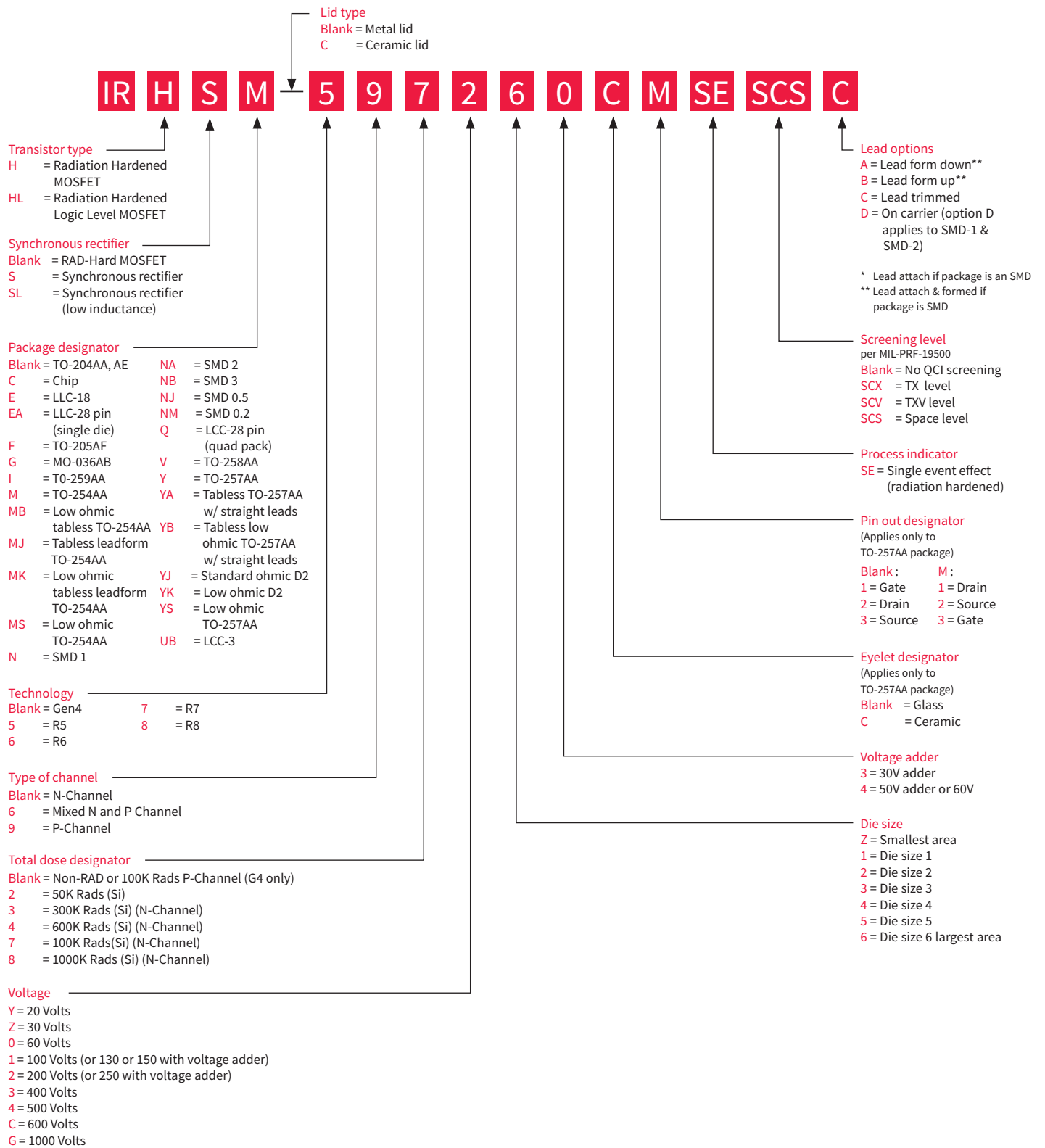
IRHiRel's RAD-Hard Power MOSFETs are offered with the following screening and QCI levels based on the DoD Department of Logistics (DLA) MIL-PRF-19500:

- › Commercial off the shelf (COTS) with no QCI
- › Source Control Drawing (SCD)
- › IRHiRel's Qualified IR List (QIRL) with TX, TXV and S level equivalent to MIL-PRF-19500 screenings, manufactured and tested on the same production line with the same flow as MIL-PRF-19500 DLA approved line. QIRL part numbers have SCX, SCV and SCS suffix respectively.
- › DLA approved Qualified Product List (QPL) with TX, TXV and S level screenings to MIL-PRF-19500 sold under military part number starting with JAN under DLA approved slash sheet.

## RAD-Hard IC Nomenclature



# RAD-Hard MOSFET Nomenclature



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Infiniteon offers its toll-free 0800/4001 service hotline as one central number, available 24/7 in English, Mandarin and German.

- > Germany ..... 0800 951 951 951 (German/English)
- > China, mainland ..... 4001 200 951 (Mandarin/English)
- > India ..... 000 800 4402 951 (English)
- > USA ..... 1-866 951 9519 (English/German)
- > Other countries ..... 00\* 800 951 951 951 (English/German)
- > Direct access ..... +49 89 234-0 (interconnection fee, German/English)

\*Please note: Some countries may require you to dial a code other than "00" to access this international number.  
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