

RADIATION HARD AMPLIFIERS

Part type	RH DICE Inside™	Description	Typical GBW (MHz)	Ch	Max V _{OS} @ 25 °C (uV)	Max I _{OS} @ 25 °C (nA)	Package style	Base PN status	TID (1)	ELDRS (2)	SEE (3)	SCD or SMD# reference
MSK0041RH	RH101ADICE	General Purpose Class C Op Amp (0.5A peak output)	0.1	1	3000	100	12 pin TO-8	Qual Build	100K			
MSK106RH	RH101ADICE	General Purpose Class C Op Amp (2A peak output)	0.1	1	3000	100	20 pin flatpack	Released	100K			
MSK114RH	RH1013DICE x 2	Quad 0.5MHz Precision Operational Amplifier (5)	0.5	4	300	10	FP-14	Qual Build				

RADIATION HARD COMPARATORS

Part type	RH DICE Inside™	Description	Typical t _{PD} (nS)	Ch	Max V _{OS} @ 25 °C (mV)	Max I _{OS} @ 25 °C (nA)	Package style	Base PN status	TID (1)	ELDRS (2)	SEE (3)	SCD or SMD# reference
MSK119RH	RH119DICE	Dual High Performance Comparator (5)	80	2	4	75	FP-10	Qual Build				
MSK120RH	RH1011DICE	Precision Voltage Comparator (5)	150	1	1.5	4	FP-10	Qual Build				

RADIATION HARD REFERENCES

Part type	RH DICE Inside™	Description	Accuracy %	Reference Voltage	Max PPM/°C @ 25°C	Typical PPM/Khr	Package style	Base PN status	TID (1)	ELDRS (2)	SEE (3)	SCD or SMD# reference
MSK109RH	RH1009DICE	Precision 2.5V Reference (5)	2.0	2.5	25	20	FP-10	Qual Build				

RADIATION HARD POSITIVE VOLTAGE REGULATORS

Part type	RH DICE Inside™	Description	Pos. Reg. I _{OUT} (A)	Neg. Reg. I _{OUT} (A)	V _{OUT}	Drop Out V @ 25°C	Package style	Base PN status	TID (1)	ELDRS (2)	SEE (3)	SCD or SMD# reference
MSK5977RH	RH3080MKDICE	0.9A Adjustable, LDO, split bias (5)	0.9		Adjustable to zero	TBD	3 pin TO-257 style	Qual Build				
MSK5976RH	RH3080MKDICE	1A Adjustable, LDO, isolated tab (5)	1.0		Adjustable to zero	TBD	3 pin TO-257 style	Qual Build				
MSK5978RH	RH3080MKDICE	1A Adjustable, LDO, split bias (5)	1.0		Adjustable to zero	TBD	10 pin ceramic FP	Qual Build				
MSK5970RH	RH1086BKKDICE	1.5A Positive adjustable voltage LDO regulator	1.5		Adjustable	1.3V @ 1.5A	3 pin TO-257 style	Qual	100K			5962R0921101KXX
MSK5970RHL	RH1086BKKDICE	1.5A Positive adjustable voltage LDO regulator	1.5		Adjustable	1.3V @ 1.5A	SMD-1.0	Qual Build	100K			5962R0921101KUX
MSK5972RH	RH117KDICE	1.5A Positive adjustable voltage LDO regulator	1.5		Adjustable	2.2V @ 1.5A	3 pin TO-257 style	Qual	100K			5962R0921301KXX
MSK5972RHL	RH117KDICE	1.5A Positive adjustable voltage LDO regulator	1.5		Adjustable	2.2V @ 1.5A	SMD-1.0	Qual Build	100K			5962R0921301KUX
MSK5953RH	RH3080MKDICE x 2	1A+1A Adjustable, dual LDO	2.0		Adjustable to zero	TBD	12 pin flatpack	Qual Build				
MSK5823-1.8	RH1573KDICE	3A Ultra low drop out fixed voltage regulator	3.0		1.8V	1.0V @ 3A	8 pin flatpack	Released	300K	Report (4)		5962F0824601
MSK5823-2.5	RH1573KDICE	3A Ultra low drop out fixed voltage regulator	3.0		2.5V	0.3V @ 3A	8 pin flatpack	Released	300K	Report (4)		5962F0824602
MSK5824	RH1573KDICE	3A Ultra low drop out adjustable regulator	3.0		Adjustable	0.3V @ 3A	8 pin flatpack	Released	300K	Report (4)	Note (6)	5962F0920801
MSK5825-2.5	RH1573KDICE	3A Ultra low drop out fixed voltage regulator	3.0		2.5V	0.3V @ 3A	8 pin flatpack	Released	300K	Report (4)	Note (6)	5962F0920901
MSK5825-3.3	RH1573KDICE	3A Ultra low drop out fixed voltage regulator	3.0		3.3V	0.3V @ 3A	8 pin flatpack	Released	300K	Report (4)	Note (6)	5962F0920902
MSK5826	RH1573KDICE	3A Ultra low drop out adjustable regulator	3.0		Adjustable	0.3V @ 3A	8 pin flatpack	Released	300K	Report (4)	Note (6)	5962F0921001
MSK5971RH	RH1085MKDICE	3A Positive adjustable voltage LDO regulator	3.0		Adjustable	1.3V @ 3A	3 pin TO-257 style	Qual	100K			5962R0921201KXX
MSK5971RHL	RH1085MKDICE	3A Positive adjustable voltage LDO regulator	3.0		Adjustable	1.3V @ 3A	SMD-1.0	Qual Build	100K			5962R0921201KUX
MSK5800	RH1573KDICE	4A Ultra low drop out adjustable regulator	4.0		Adjustable	0.3V @ 1.5A	12 pin flatpack	Released	300K	Report (4)		5962F0921601
MSK5810	RH1573KDICE	5A Ultra low drop out adjustable regulator, split bias	5.0		Adjustable	0.11V @ 1A	20 pin flatpack	Released	300K	Report (4)		5962F0921602
MSK5820-1.5	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		1.5V	1.4V @ 3A	5 pin top-tab	Released	300K	Report (4)		5962F0921604
MSK5820-1.8	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		1.8V	1.1V @ 3A	5 pin top-tab	Released	300K	Report (4)		5962F0921610
MSK5820-1.9	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		1.9V	1.0V @ 3A	5 pin top-tab	Released	300K	Report (4)		5962F0921605
MSK5820-2.5	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		2.5V	0.3V @ 3A	5 pin top-tab	Released	300K	Report (4)		5962F0921606
MSK5820-2.8	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		2.8V	0.3V @ 3A	5 pin top-tab	Released	300K	Report (4)		5962F0921607
MSK5820-3.3	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		3.3V	0.3V @ 3A	5 pin top-tab	Released	300K	Report (4)		5962F0921608
MSK5820-5.0	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		5.0V	0.3V @ 3A	5 pin top-tab	Released	300K	Report (4)		5962F0921609
MSK5821	RH1573KDICE	5A Ultra low drop out adjustable regulator	5.0		Adjustable	0.3V @ 3A	5 pin top-tab	Released	300K	Report (4)		5962F0921603
MSK5822-1.5	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		1.5V	0.22V @ 2A	5 pin top-tab	Released	300K	Report (4)		5962F0823601
MSK5822-1.9	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		1.9V	0.22V @ 2A	5 pin top-tab	Released	300K	Report (4)		5962F0823602
MSK5822-2.5	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		2.5V	0.22V @ 2A	5 pin top-tab	Released	300K	Report (4)		5962F0823603
MSK5822-2.8	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		2.8V	0.22V @ 2A	5 pin top-tab	Released	300K	Report (4)		5962F0823604
MSK5822-3.3	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		3.3V	0.22V @ 2A	5 pin top-tab	Released	300K	Report (4)		5962F0823605
MSK5822-5.0	RH1573KDICE	5A Ultra low drop out fixed voltage regulator	5.0		5.0V	0.22V @ 2A	5 pin top-tab	Released	300K	Report (4)		5962F0823606
MSK5950RH	RH1009+RH1573K	5A Ultra low voltage adjustable regulator, split bias	5.0		Adjustable to zero	0.11V @ 1A	20 pin flatpack	Qual	300K			5962F0921501
MSK5951RH	RH1573KDICE	10A Adjustable, ultra low dropout regulator, split bias	10.0		Adjustable	0.11V @ 2A	12 pin tab pkg	Prototype Test				

RADIATION HARD NEGATIVE VOLTAGE REGULATORS

Part type	RH DICE Inside™	Description	Pos. Reg. I _{OUT} (A)	Neg. Reg. I _{OUT} (A)	V _{OUT}	Drop Out V @ 25°C	Package style	Base PN status	TID (1)	ELDRS (2)	SEE (3)	SCD or SMD# reference
MSK5973RH	RH137KDICE	1.5A Negative adjustable voltage LDO regulator		1.5	Adjustable	2.2V @ 1.5A	3 pin TO-257 style	Qual	100K			5962R0921401KXX
MSK5973RHL	RH137KDICE	1.5A Negative adjustable voltage LDO regulator		1.5	Adjustable	2.2V @ 1.5A	SMD-1.0	Qual Build	100K			5962R0921401KUX
MSK5973RH	RH137KDICE	3A Negative fixed voltage LDO regulator		3.0	Adjustable	5.0V	3 pin TO-257 style	Qual Build	100K			

MSK5940-5.2RH	RH1185MKDICE	3A Negative fixed voltage LDO regulator	3.0	-5.2V	0.6V @ 2.0A	3 pin TO-257 style	Qual Build	100K
MSK5940-10RH	RH1185MKDICE	3A Negative fixed voltage LDO regulator	3.0	-10V	0.6V @ 2.0A	3 pin TO-257 style	Qual Build	100K
MSK5940-12RH	RH1185MKDICE	3A Negative fixed voltage LDO regulator	3.0	-12V	0.6V @ 2.0A	3 pin TO-257 style	Qual Build	100K
MSK5940-15RH	RH1185MKDICE	3A Negative fixed voltage LDO regulator	3.0	-15V	0.6V @ 2.0A	3 pin TO-257 style	Qual Build	100K

RADIATION HARD DUAL POSITIVE AND NEGATIVE REGULATORS

Part type	RH DICE Inside™	Description	Pos. Reg. I _{OUT} (A)	Neg. Reg. I _{OUT} (A)	V _{OUT}	Drop Out V @ 25°C	Package style	Base P/N status	TID (1)	ELDRS (2)	SEE (3)	SCD or SMD# reference
MSK5930RH	RH1085MK+RH1185MK	3A Dual Positive/Negative fixed voltage LDO regulator	3.0	3.0	+3.3 / -5.2 V	1.1 & -0.6V @ 2A	5 pin top-tab	Qual Build	100K			
MSK5931RH	RH1085MK+RH1185MK	3A Dual Positive/Negative fixed voltage LDO regulator	3.0	3.0	+5.0 / -5.0 V	1.1 & -0.6V @ 2A	5 pin top-tab	Qual Build	100K			
MSK5932RH	RH1085MK+RH1185MK	3A Dual Positive/Negative fixed voltage LDO regulator	3.0	3.0	+5.0 / -5.2 V	1.1 & -0.6V @ 2A	5 pin top-tab	Qual Build	100K			
MSK5933RH	RH1085MK+RH1185MK	3A Dual Positive/Negative fixed voltage LDO regulator	3.0	3.0	+12.0 / -5.0 V	1.1 & -0.6V @ 2A	5 pin top-tab	Qual Build	100K			
MSK5934RH	RH1085MK+RH1185MK	3A Dual Positive/Negative fixed voltage LDO regulator	3.0	3.0	+12.0 / -12.0V	1.1 & -0.6V @ 2A	5 pin top-tab	Qual Build	100K			
MSK5935RH	RH1085MK+RH1185MK	3A Dual Positive/Negative fixed voltage LDO regulator	3.0	3.0	+15.0 / -15.0 V	1.1 & -0.6V @ 2A	5 pin top-tab	Qual Build	100K			
MSK5936RH	RH1085MK+RH1185MK	3A Dual Positive/Negative fixed voltage LDO regulator	3.0	3.0	+15.0 / -5.0V	1.1 & -0.6V @ 2A	5 pin top-tab	Qual Build	100K			
MSK5937RH	RH1085MK+RH1185MK	3A Dual Positive/Negative fixed voltage LDO regulator	3.0	3.0	+5.0 / -12.0 V	1.1 & -0.6V @ 2A	5 pin top-tab	Qual Build	100K			
MSK5938RH	RH1085MK+RH1185MK	3A Dual Positive/Negative fixed voltage LDO regulator	3.0	3.0	+5.0 / -15.0 V	1.1 & -0.6V @ 2A	5 pin top-tab	Qual Build	100K			
MSK5939RH	RH1085MK+RH1185MK	3A Dual Positive/Negative fixed voltage LDO regulator	3.0	3.0	+10.0 / -10.0 V	1.1 & -0.6V @ 2A	5 pin top-tab	Qual Build	100K			

RADIATION HARD SWITCHING REGULATORS

Part type	RH MILDICE Inside™	Description	I _{OUT} (A)	Switching Freq.	V _{IN} Range	V _{OUT} Range	Package style	Base P/N status	TID (1)	ELDRS (2)	SEE (3)	SCD or SMD# reference
MSK5044RH	RH1959MILDICE	3.5A Complete Step-Down Switching Regulator	3.5	500kHz	4.0V to 15.0V	1.21V to 0.86V _{IN}	5 pin TO-258	Design				
MSK5059RH	RH1959MILDICE	4.5A Step-Down Switching Regulator Controller	4.5	500kHz	4.0V to 15.0V	1.21V to 0.86V _{IN}	FP-16	Prototype Build				
MSK5052RH	RH1959MILDICE	Complete Step-Down Switching Regulator	TBD	500kHz	4.0V to 15.0V	1.21V to 0.86V _{IN}	TBD flatpack	Design				

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