

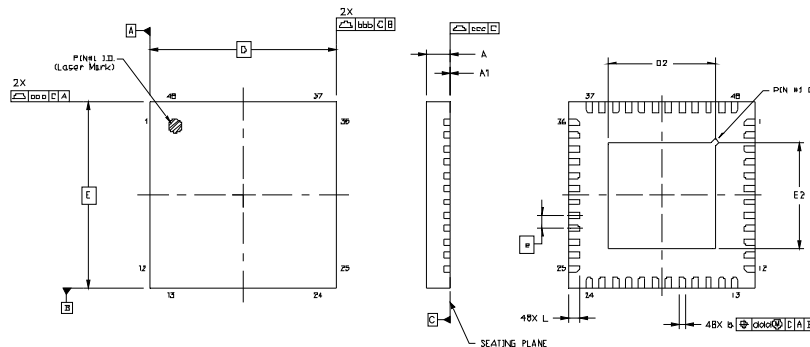
Selected Electrical Specifications

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Positive Analog & I/O Supply Voltage	V_{CC}		3.15	3.3	3.45	V
High Voltage Battery	V_{BAT}		-136	-98	—	V
Battery Ground	V_{BGND}		—	0	—	V
Ambient Temperature	T_A	F-grade	0	—	70	°C
		G-grade	-40	—	85	°C
2-wire Return Loss		Zac set using external resistor values. Zac = 686 Ω	26	40	—	dB
Idle Channel Noise	ICN	C-message Weighted	—	10	12	dBrnC
		Psophometric Weighted	—	-80	-78	dBmP
Power Supply Rejection Ratio	PSRR	V_{CC} to V_{OUT} , Forward Active Mode, 200 Hz to 3.4 kHz	50	—	—	dB
		V_{BATn} to V_{OUT} , Forward Active Mode, 200 Hz to 3.4 kHz	—	50	—	dB
		V_{CC} to V_{OUT} , Reverse Active Mode, 200 Hz to 3.4 kHz	50	—	—	dB
		V_{BAT} to V_{OUT} , Reverse Active Mode, 200 Hz to 3.4 kHz	—	50	—	dB
Longitudinal to Metallic Balance		200 Hz to 3.4 kHz	48	66	—	dB
Metallic to Longitudinal Balance		200 Hz to 3.4 kHz	40	60	—	dB

Ordering Guide

Device	Package	Pb-Free and RoHS Compliant	Voltage Rating	Temp Range
Si32392-B-FM	QFN-48	Yes	-136 V	0 to 70 °C
Si32392-B-GM	QFN-48	Yes	-136 V	-40 to 85 °C

Package Information



Dimension	Min	Nom	Max
A	0.80	0.85	0.90
A1	0.00	0.02	0.05
b	0.18	0.25	0.30
D	7.00 BSC		
D2	3.85	4.00	4.15
e	0.50 BSC		
E	7.00 BSC		
E2	3.90	4.00	4.10
L	0.30	0.40	0.50
aaa	—	—	0.15
bbb	—	—	0.15
ccc	—	—	0.08
ddd	—	—	0.10