

MC33812EKR2 :Part Detail

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General Information

Part Number	MC33812EKR2
Description	Engine Control IC, One Cylinder, Electronic fuel injection (EFI), SOIC 32, Reel
Product Line	GNNS3812
PTI	ANTG
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT RAPID GROWTH
Status	Active
Application/Qualification Tier	AUTO; >=10 YEARS APPLICATION LIFE

Package Information

Package Type and Termination Count	SOIC-EP 32
Package Description and Mechanical Drawing	SOIC 32 300ML 4.7EP
Device Weight(g)	0.49140
Package Material	Plastic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	7.500
Package Width (nominal)(mm)	11.000
Package Thickness (nominal)(mm)	2.450
Tape & Reel	Yes

Environmental and Compliance Information

Pb-Free	
RoHS Compliant	
Halogen Free	Yes
Material Composition Declaration (MCD)	Download MCD Report Download MCD Report
RoHS Certificate of Analysis (CoA)	Contact Us
2nd Level Interconnect	e3

[Moisture Sensitivity Level \(MSL\)](#) 3

Floor Life	168 HOURS
Peak Package Body Temperature (PPT)(°C)	260
Maximum Time at Peak Temperature (s)	40
Number of Reflow Cycles	3
REACH SVHC	NXP REACH Statement
UL94 (plastics flammability test)	V1; Burning stops within 30 seconds on a vertical specimen; drips allowed as long as they are not inflamed

Manufacturing Information

Micron Size(μm)	.27
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Ordering Information

Minimum Package Quantity (MPQ)	1000
MPQ Container	REEL
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	1000
POQ Container	BOX
Export Control Classification Number (US)	EAR99
Harmonized Tariff (
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US Currency)	1000 @ US each
Device Sample Availability	30 Mar 2016
Device Production Availability	30 Mar 2016

Order

Operating Characteristics

Additional Features-Analog	Regulator Control Output
Ambient Operating Temperature (Min-Max) (°C)	-40 to 125
Device Function	Low Side Switch Powertrain Control Pre-Driver
Diagnostics	Parallel
Interface and Input Control	Parallel
Load Supply Voltage (Max) (V)	36
Load Supply Voltage (Min) (V)	4.9

(Min) (V)

Power Output Load - Load
Current (Typ) (A) (IL) 0.3

Power Output Load - Load
Current (Max) (A) (IL) 1

Protection Overcurrent
Overtemperature
Short Circuit

Sample Exception Availability N

Supply Voltage (Min-Max) (V) 4.9 to 36

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