NCP3712A, NCP3712A

High

This switch is primarily intended to protect loads from transients by isolating the load from the transient energy rather than absorbing it.

Features

- Capable of Switching Loads of up to 200 mA without External Rboost
- Switch Shuts Off in Response to an Over Voltage Input Transient
- Features Active Turn Off for Fast Input Transient Protection
- Flexible Over Voltage Protection Threshold Set with External Zener
- Automatic Recovery after Transient Decays Below Threshold
- Withstands Input Transients up to 105 V Peak
- Guaranteed Off State with $\overline{\text{Enbl}}$ Input
- ESD Resistant in Accordance with the 2000 V Human Body Model
- Extremely Low Saturation Voltage
- SZ Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC−Q101 Qualified and PPAP Capable
-

June, 2014 − Rev. 8
Publication Order Number:
NCP3712ASNT1/D

ELECTRICAL CHARACTERISTICS (V_{in} = 12.5 V_{DC} Ref to Gnd, T_A = 25°C unless otherwise noted.)

Characteristic	Symbol	Min	Typ	Max	Unit
OFF CHARACTERISTICS					
Input−Output Breakdown Voltage (@ I_{out} = 200 μA)					

SC−74
CASE 318F
ISSUE P

DATE 07 OCT 2021