

## Load Dump Pulse Simulator

## LDS 300NxxD Series

### Datasheet



#### In Compliance with

- > JASO D001-1994
- > QC/T 727-2007

#### Introduction

The LDS 300NxxD is designed for testing of pulse type A-1, B-1, C-1(D-1), D(E) as per JASO D001-94, QC/T 727-2007 for automotive meters such as speedometer, tachometer, fuel meter etc. It features touch screen operation and easy test setting.

#### Features

- > 5.7" color touch screen front panel operation;
- > CN25 and CAN bus can transmit DUT's voltage signal to power supply terminals, and be used for communication with equipment of other brands;
- > DUT voltage/current detection, and over-current protection;

#### Application Areas

- > Instrument for automobile and motorcycle

QC/T 727 Type A-1 (JASO Type A-1)	
Pulse Amplitude - Vp	70 V
Tolerance (Vp)	≤10%
Rise Time - Tr (Vp)	<1 μs
Decaying Time Constant - τ	200000 μs
Output Impedance- R1	0.8 Ω
Number of Pulses	1
Polarity	Positive

QC/T 727 Type B-1 (JASO Type B-1)	
Pulse Amplitude - Vp	80 V
Tolerance (Vp)	≤10%
Rise Time - Tr (Vp)	<1 μs
Decaying Time Constant -τ	60000 μs
Output Impedance - R1	8 Ω
Number of Pulses	100
Repetition Frequency	1/30 Hz
Polarity	Negative

QC/T 727 Type C-1 (JASO Type D-1)	
Pulse Amplitude - Vp	110 V
Tolerance (Vp)	≤10%
Rise Time - Tr (Vp)	<1 μs
Decaying Time Constant -τ	400000 μs
Output Impedance- R1	1.5 Ω
Number of Pulses	1
Polarity	Positive

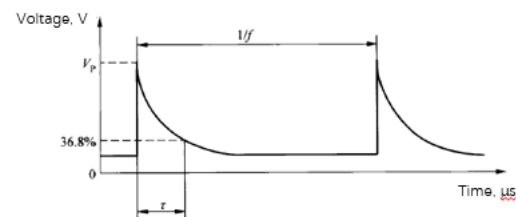
QC/T 727 Type D (JASO Type E)	
Pulse Amplitude - Vp	- 320 V
Tolerance (Vp)	≤10%
Rise Time - Tr (Vp)	<1 μs
Decaying Time Constant -τ	26000 μs
Output Impedance - R1	210 Ω
Number of Pulses	100
Repetition Frequency	1/30 Hz
Polarity	Negative

General Parameter	
Power Supply	AC 110 V / 220 V±10%, 50 Hz /60 Hz (±5%) (AC 220 V 50 Hz in mainland China)
Ambient Temperature	15 °C ~ 35 °C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86kPa ~ 106kPa
Dimension	2*6U rack (450×600×266 mm)
Weight	Approx. 60 kg

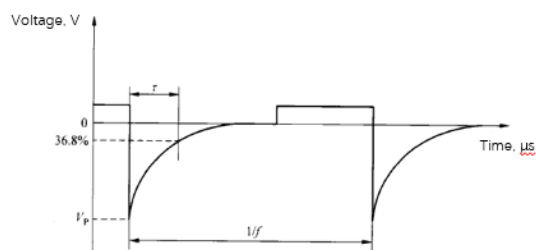
OPTIONAL MODELS	
LDS 300N30D &LDS 300D	DUT Max. power supply:60 V 30A
LDS 300N50D &LDS 300D	DUT Max. power supply:60 V 50A
LDS 300N75D &LDS 300D	DUT Max. power supply:60 V 75 A
LDS 300N100D &LDS 300D	DUT Max. power supply: 60 V 100 A

Standard Accessories
Test line, Earth line, Radio frequency cable, Power supply line, Fuses (spare parts), User manual

**Waveforms:**



Type A & C



Type B & D



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