

## Product Overview

### CPH3456: Single N-Channel Power MOSFET 20V, 3.5A, 71mΩ

For complete documentation, see the data sheet.

CPH3456 is a Power MOSFET, 20V, 71mΩ, 3.5A, Single N-Channel for General-Purpose Switching Device Application.

#### Features

- Low On-Resistance :  $R_{DS(on)} = 71\text{m}\Omega$  (typ)
- Low Gate Drive Voltage : 1.8V Drive
- RoHS Compliance

#### Applications

- DC/DC Converter

#### Benefits

- Improves Efficiency by Reducing Conduction Losses, Reduces Heat Dissipation
- Drive at Low voltage
- Environmental Consideration

#### End Products

- Servo Unit for Hobbies (ROBOT)
- Backlight of LCD TV Panels

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	$V_{DS(sat)}$ Min (V)	$V_{GS}$ Max (V)	$V_{GS(th)}$ Max (V)	$I_D$ Max (A)	$P_D$ Max (W)	$R_{DS(on)}$ Max @ $V_{GS} = 2.5\text{V}$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 4.5\text{V}$ (mΩ)	$R_{DS(on)}$ Max @ $V_{GS} = 10\text{V}$ (mΩ)	$Q_3$ Typ @ $V_{GS} = 4.5\text{V}$ (nC)	$Q_3$ Typ @ $V_{GS} = 10\text{V}$ (nC)	$C_{iss}$ Typ (pF)	Package Type
CPH3456-TL-W	0.0777	Pb-free Halide free	Active	N-Channel	Single	20	12	1.3	3.5	1	103	71	-	-	2.8	260	CPH-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

Created on: 3/28/2020