

NCP51530

700 V- 3.5/3.0 A / MOSFET

NCP51530 700 V AC-DC NCP51530 NCP51530 SOIC8 DFN10

- High voltage range: Up to 700 V
- Very fast propagation delay (25 ns for B version)
- Matched propagation delay (7 ns Max)
- High dv/dt immunity up to 50 V/ns and negative transient immunity
- DFN10 packaging with optimized pin-out
- Fast Rise and Fall times (15 ns max)
- Design margin for AC/DC design
- Suitable for high frequency operation
- Increased efficiency & Allow paralleling
- Very robust design
- Small PCB footprint, improved creepage distance and parasitic
- Suitable for heavy loads
- Half and Full-bridge Converters
- Active Clamp Flyback adapters
- Motor controls Power Supply
- Power Supply for Servers, Telecom and Industrial
- Electric power steering
- Solar inverters

	Pricing (\$/Unit)	Compliance	Status	Power Switch	Number of Outputs	Topology	Isolation Type	V _{in} Max (V)	V _{cc} Max (V)	Rise Time (ns)	Fall Time (ns)	Drive Source Current Typ (A)	Drive Sink Current Typ (A)	Turn On Prop. Delay Typ (ns)	Turn Off Prop. Delay Typ (ns)	Delay Matching	Packaging Type
NCP51530ADR2G	0.648		Active	MOSFET / IGBT	2	High-Low	Junction Isolation	700	20	8	8	3.5	3	60	60	7	SOIC-8
NCP51530AMN TWG	0.6248		Active	MOSFET / IGBT	2	High-Low	Junction Isolation	700	20	8	8	3.5	3	60	60	7	DFN-10
NCP51530BDR2G	0.648		Active	MOSFET / IGBT	2	High-Low	Junction Isolation	700	20	8	8	3.5	3	25	25	7	SOIC-8
NCP51530BMN TWG	0.517		Active	MOSFET / IGBT	2	High-Low	Junction Isolation	700	20	8	8	3.5	3	25	25	7	DFN-10