



NCD57000

IGBT

NCD57000IGBTFAULT/ReadyUVLODESATDESAT/OUTH/OUTL5V3.3V5 kVrmsUL15771200 ViormNCD57000SOIC-168 mm

- High Current Output(+4/-6 A) at IGBT Miller Plateau Voltages
- Short Propagation Delays with Accurate Matching
- DESAT with Soft Turn Off
- Active Miller Clamp and Negative Gate Voltage
- High Transient & Electromagnetic Immunity
- 5 kV Galvanic Isolation
- Improves system efficiency
- Improves PWM signal integrity
- Protection against overload and short circuits
- Prevents spurious gate turn-on
- Ruggedness in fast slew rate high voltage and high current switching applications
- Galvanic isolation to separate high voltage and low voltage sides to provide safety and protection
- Solar Inverters
- Motor Control
- UPS
- Industrial Power Supplies
- Welding
- Industrial Motors
- Commercial HVAC
- Data Center and Server Power Supplies

	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	Package Type
NCD57000DWR 2G	3.2254	 	Active		1	Single	Galvanic Isolation	5.5	24	10	15						SOIC-16W