

Solenoid-Actuated Electromagnetic Gasoline Fuel Injector – OEM Standard Electronic Fuel Injection (EFI) Nozzle for Cars and Motorcycles

Specifications :

Price	Contact us
Place of Origin	China
Min.Order Quantity	10
Payment Terms	OEM?ODM?OBM
Supply Ability	1000
Delivery Detail	3-7

Detail Introduction :

Parameter	Specification / Detail
Fuel Type	Gasoline (Low Viscosity, Highly Volatile)
Actuation Principle	Electromagnetic / Solenoid-Actuated Coil
Ignition Mechanism	Spark-Ignition Point
Core Function	Fast Volatile Fuel Vaporization & Atomization
Coil Resistance	High / Low Impedance Options (12V System)
Response Time	< 1.2 ms Pulse Width Opening
Sealing Type	Viton O-Rings (High Temperature & Fuel Resistant)
Target Industries	Cars, Light Duty Vehicles, EFI Motorcycles & ATVs

Fuel delivery in modern electronic fuel injection systems relies heavily on rapid electromagnetic response. When energized by the ECU, the precision-engineered solenoid coil generates a consistent magnetic field that pulls the valve armature open in milliseconds. Designed to handle low-viscosity, volatile gasoline fluids, this electromagnetic nozzle maintains absolute spray stability under varying throttle inputs, offering smooth acceleration, fast cold-start performance, and minimal power drop.

Key Product Highlights:

Millisecond Electromagnetic Response: High-density coil winding delivers ultra-fast valve actuation and precise fuel pulse control.

Stable Volatile Fuel Spray: Engineered specifically for the volatile and low-viscosity physical traits of gasoline fuel.

OEM Drop-In Fitment: Manufactured to standard mounting dimensions for seamless plug-and-play installation.

Vibration & Heat Resistance: Built with thermal-insulated coatings to withstand harsh engine bay conditions and constant vibration.

Target Applications:

Automotive: Passenger cars, compact hatchbacks, and light utility vehicles.

Two-Wheelers & ATVs: Small-displacement EFI motorcycles, scooters, all-terrain vehicles (ATVs), and quad bikes.

Why Choose Us:

Our electromagnetic fuel injectors undergo rigorous coil resistance, thermal shock, and million-cycle durability testing. We provide strict quality assurance that guarantees exact flow calibration matching original equipment parameters, eliminating check-engine lights and fuel starvation issues.