

→ FEATURED PRODUCT

Good-Ark Semiconductor GSJA65R041

650V, 70A, 37mΩ, N-Channel, Low Noise, Fast T_{RR} Super Junction MOSFET in TO-247 Package

Good-Ark Semiconductor introduces GSJA65R041, a 650V, 70A, 37mΩ, N-Channel, low noise super junction MOSFET to meet the demand of noise-sensitive applications including motors drivers where noise suppression and low power consumption are critical.

Utilizing Good-Ark Semiconductor's latest multi-EPI technology, GSJA65R041 optimized its cell structure to reduce noise and ringing while achieving low power consumption with its outstanding switching speed and superior dv/dt capability.

This device offers greater flexibility for design engineers to balance noise mitigation while maintaining fast Reverse Recovering Time (T_{rr}), low Reverse Recover Charge (Q_{rr}), and minimizing EMI and switching loss. Packaged in the TO-247 package, GSJA65R041 is an ideal choice for EV chargers, servers standby power, notebook adapters and chargers, LED lighting and PV inverters.

FEATURES

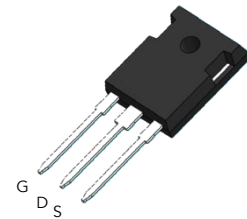
- Low noise and low gate-charge
- Best-in-class on-resistance
- High power density and efficiency
- Low switching and conduction loss
- Low reverse recovery charge and time

BENEFITS

- Reduces overshoot
- Greater design flexibility to balance noise mitigation and power consumption
- Fast switching speed and superior dv/dt capability

APPLICATIONS

- Servers and UPS
- EV charger and PV inverter
- Solar and Telecom
- Notebook adapters



TO-247 Package

Free samples available for immediate testing.
Contact us at: (+1) 631-319-1858 or
inquiry@goodarksemi.com

KEY SPECIFICATIONS

Part Number	I_D	V_{DS}	V_{GS}	$V_{GS} (TH)$ @ $V_{DS}=V_{GS}$, $I_D=250\mu A$		$R_{DS(on)}$ @ $I_D=35A$, $V_{GS}=10V$		Q_{GD} @ $V_{DD}=480V$, $I_D=50A$, $V_{GS}=10V$	Q_G @ $V_{DD}=480V$, $I_D=50A$, $V_{GS}=10V$	C_{iss}	T_J, T_{STG}
	Max (A)	Max (V)	Max (V)	Min (V)	Max (V)	Typ. (mΩ)	Max (mΩ)	Typ. (nC)	Typ. (nC)	(pF)	(°C)
GSJA65R041	70	650	±30	3.0	5.0	37	41	210	326	7132	-55 to +150

www.goodarksemi.com

Tel: (+1) 631-319-1858 Fax: (+1) 631-319-1855

Email: inquiry@goodarksemi.com

