

# 車載向けIGBTラインアップ

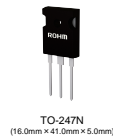
Automotive Qualified IGBTs

ROHM  
SEMICONDUCTOR

カーエアコン、ヒータに最適

## RGSシリーズ

RGS Series for Inverter



TO-247N  
(16.0mm × 41.0mm × 5.0mm)

### Features

- Short circuit withstand time 8-10μs Min.
- Low  $V_{CE(sat)}$  1.65V Typ.
- AEC-Q101 qualified

### Applications

- Compressor, Inverter, Heating system

## ラインアップ

Lineup

Part No.	Type	Specification			Co-packed diode	Package
		$V_{CES}$ (V)	$I_C$ at 100°C (A)	$V_{CE(sat)}$ (V)		
RGS60TS6SDHR	Switching IGBT (RGS series)	650	30	1.65	Yes	TO-247N
New RGS60TS6SHR		650	30	1.65	-	TO-247N
RGS80TS6SDHR		650	40	1.65	Yes	TO-247N
New RGS80TS6SHR		650	40	1.65	-	TO-247N
RGS00TS6SDHR		650	50	1.65	Yes	TO-247N
New RGS00TS6SHR		650	50	1.65	-	TO-247N
RGS00TS6EHR		650	50	1.65	Yes	TO-247N
New RGS30TSX2DHR		1,200	15	1.70	Yes	TO-247N
New RGS30TSX2HR		1,200	15	1.70	-	TO-247N
New RGS60TSX2DHR		1,200	25	1.70	Yes	TO-247N
New RGS50TSX2HR		1,200	25	1.70	-	TO-247N
New RGS80TSX2DHR		1,200	40	1.70	Yes	TO-247N
New RGS80TSX2HR		1,200	40	1.70	-	TO-247N

## Ignition IGBT RGPシリーズ

RGP Series for Ignition System



TO-252 (8.6mm × 10.0mm × 2.2mm)  
TO-263L (LPDL) (10.1mm × 15.1mm × 4.5mm)  
TO-263S (LPDS) (10.1mm × 15.1mm × 4.5mm)

### Features

- $BV_{CES}$  = 400V to 560V
- Low  $V_{CE(sat)}$  1.6V Typ.
- Avalanche energy 250 to 500mJ ( $T_j = 25^\circ\text{C}$ )
- AEC-Q101 qualified

### Applications

- Automotive Ignition Coil Drive
- Solenoid Drive

## ラインアップ

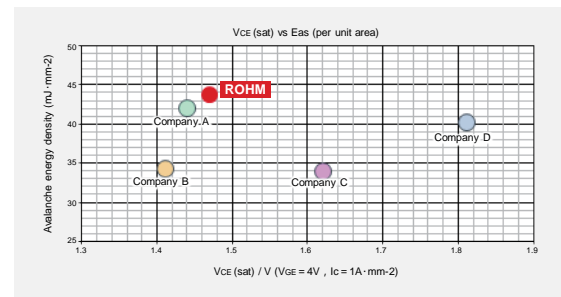
Lineup

Part No.	$V_{CES}$ (V)	$V_{CE(sat)}$ (V)	$I_C$ (A)	$P_C$ (W)	Eas (mJ)	$V_{CE(sat)}$ Typ. (V)	Package
RGPZ10BM40FH	430±30	±10	20	107	250	1.6	TO-252
★RGPZ30BM56HR	560±30	±10	30	166	300	1.4	TO-252
RGPR10BM40FH	430±30	±10	20	107	250	1.6	TO-252
RGPR20NS43HR	430±30	±10	20	107	250	1.6	TO-263S
★RGP30BM56HR	560±30	±10	30	166	300	1.4	TO-252
New RGP30BM40HR	400±30	±10	30	125	300	1.6	TO-252
New RGP30NS40HR	400±30	±10	30	125	300	1.6	TO-263S
New RGP20NL43HR	430±30	±10	20	107	250	1.6	TO-263L
New RGP50NS45HR	450±30	±10	45	194	500	1.6	TO-263L

★ : Under Development

## 特性グラフ

Characteristics Graph



## 回路例

Circuit Example

