Featured Products











New Low noise type Fast trr Super Junction MOSFET now available

Low Noise PrestoMOSTM

R60xxRNx series

PrestoMOS™ is a trademark or registered trademark of ROHM Co., Ltd.

- Fast trr + Lower noise makes Easier to use!
 Simultaneously improves recovery characteristics and noise
- Improves the trade-off between noise and switching loss in all frequency bands

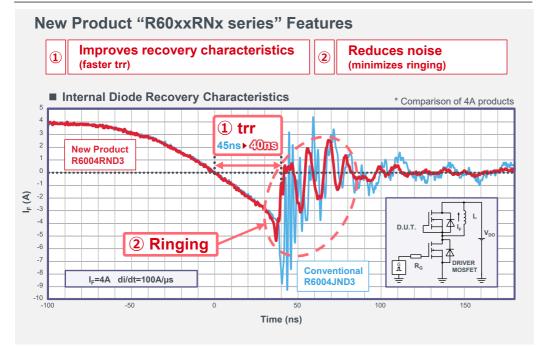
 Facilitates design
- Ideal for compact motor applications including fan motors, pumps, and ventilation fans

 Effective for noise suppression in compact motor applications (up to 9A) that support high frequencies

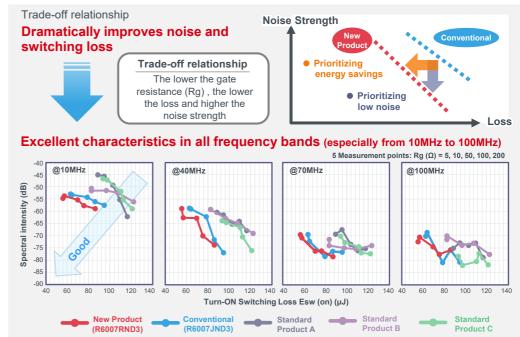


Package indicates JEDEC code. <> Refers to the General package code

■ Low Noise Fast Recovery PrestoMOSTM



■ Improves the Trade-Off Between Noise and Loss



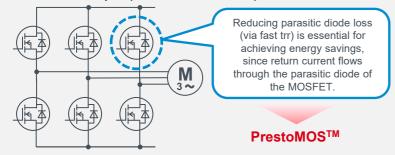
■ Low-Noise PrestoMOSTM Optimized for Compact Motor Applications

PrestoMOSTM (SJ-MOSFET)



'Presto' is an Italian musical term meaning 'very fast'. PrestoMOS™ boasts the industry's fastest reverse recovery time by speeding up the parasitic diodes in Super Junction MOSFETs.

Circuit Example (3-Phase AC Motor)



High-speed switching generates high frequencies/harmonics (noise)

R60xxRNx series low noise type PrestoMOS™ is ideal

Applications equipped with Compact Motors PC Cooling Fans Robot Vacuums Heaters

Compressors

■ R60xxRNx series of Low Noise Fast trr PrestoMOSTM

Part No.	Polarity (ch)	V _{DSS} (V)	I _D (A)	P _D (W) (Tc=25°C)	$\begin{array}{c} R_{DS(on)} \\ Typ \\ (m\Omega) \\ V_{GS} = 15V \end{array}$	Qg Typ (nC) V _{GS} =15V	trr Typ (ns)	Package
New R6004RND3	N	600	4	60	1,330	10.5	40	Polito Contraction of the Contra
<i>New</i> R6007RND3 ⊕ □			7	96	730	17.5	50	
New R6009RND3 (=			9	125	510	22.0	55	TO-252 <dpak></dpak>

Click on the loon to access the product page and the licon to view the datasheet on ROHM's website.

Package indicates JEDEC code. (): GENERAL code.

Refrigerators



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www.rohm.com

The content specified herein is for the purpose of introducing ROHM's products (hereinafter "Products"). If you wish to use any such Product, please be sure to refer to the specifications, which can be obtained from ROHM upon request. Great care was taken in ensuring the accuracy of the information specified in this document. However, should you incur any damage arising from any inaccuracy or misprint of such information, ROHM shall bear no responsibility for such damage. The technical information specified herein is intended only to who the typical functions of and examples of application circuits for the Products. ROHM does not grant you, explicitly or implicitly, any license to use or exercise intellectual property or other rights held by ROHM and other partial Boar no responsibility whatsoever for any dispute arising from the use of such technical information. If you intend to export or ship overseas any Product or technology specified herein that may be controlled under the Foreign Exchange and the Foreign Trade Law, you will be required to obtain a license or permit under the Law.

■ Expanded PrestoMOSTM Lineup



			Packages									
V _{DSS} (V)	$\begin{array}{c} R_{DS(on)} \\ Typ \\ (m\Omega) \end{array}$	trr Typ (ns)	SOT223	TO-252 <dpak></dpak>	(TO-220FM) <to-220fp></to-220fp>	TO-220AB	(TO-3PF)	TO-247AD (TO-247)				
			*	Ą	ROHM	ROHM	ROHM	ROHM				
600	2,500	34	☆ R6002JND4									
	1,600	38	☆ R6003JND4	☆ R6003JND3	★ R6003JNX							
	RN:1,330 JN:1,100	RN:40 JN:45		New R6004RND3	R6004JNX							
	RN:730 JN:600	RN:50 JN:60		New R6007RND3	R6007JNX							
	RN:510 JN:450	RN:55 JN:65		New R6009RND3	R6009JNX							
	250	65		R6013VND3	R6013VNX							
	170	68			R6018VNX							
	127	80			R6024VNX	R6024VNX3						
	95	92			R6035VNX	R6035VNX3						
	59	112			☆ R6055VNX3	☆ R6055VNX3	R6055VNZ	R6055VNZ4				
	42	125					R6077VNZ	R6077VNZ4				
	25	175						☆ R60A4VNZ4				

☆ Under Development ★Planned The items of R60xxJNx series above are the selected models as recommended products.

Packages indicate JEDEC code. (): ROHM Package, ⟨): GENERAL code.

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The information contained in this document is current as of October 1st, 2022.

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