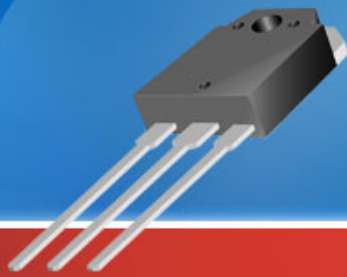


→ NEW PRODUCT



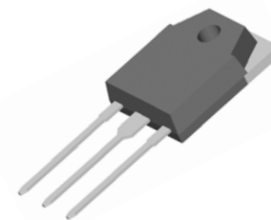
Good-Ark Semiconductor 30A, 600V Ultrafast Power Rectifier

In plastic TO-3P package

The MUR30U60PTW5 is a 30A, 600V ultrafast rectifier that features soft recovery characteristics, outstanding surge current capability, and low forward voltage. Utilizing its silicon nitride passivated ion-implanted epitaxial planar construction, this device is ideal for use as a freewheeling diode for motor applications, boost diode in PFC and many other power switching applications. The low stored charge and ultrafast soft recovery features minimize ringing and electrical noise in many power switching circuits.

FEATURES

- High voltage and high reliability
- High surge current capability
- Ultrafast recovery time
- Soft recovery characteristics
- Low recovery loss
- Low forward voltage
- RoHS compliant



Package: TO-3P

40.6 x15.8 x4.9 mm

(L x W x H max value in mm)

APPLICATIONS

- General purpose
- Boost diode in PFC
- Switching mode power supply
- Free-wheeling diode for motor application
- Power switching circuits

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

PRODUCT SERIES

Maximum Ratings and Electrical Characteristics (Tc=25°C unless otherwise noted)													
MPN	V _{RRM}	I _{F(AV)}		I _{FSM}	P _D	I _R	t _{rr}	V _F		@I _F	I _{RRM}	ROJC	T _J , T _{stg}
	(V)	per diode (A)	per package (A)	(A)	(W)	max. (μA)	typ. (ns)	typ. (V)	max. (V)	(A)	(A)	(°C/W)	(°C)
MUR30U60PTW5	600	15	30	180	113	10	50	1.3	1.8	15	8	0.8	-55 to +150

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