

→ FEATURED PRODUCT

## Good-Ark Semiconductor 80A, 75V, N-Channel Power MOSFETS

In TO-220 /TO-263(D<sup>2</sup>PAK)

Good-Ark Semiconductor introduces an 80A, 75V Power Trench MOSFET Series with an extremely low  $R_{DS(ON)}$  of 0.0065Ω (typical). Available in the industry standard TO-220 and TO-263(D<sup>2</sup>PAK) packages, SSF7509 and SSF7509A are specifically designed to meet the requirements of a low gate charge. This series utilizes the latest Trench technologies and advance processing techniques to achieve high cell density, low on-resistance and a high repetitive avalanche rating. These devices are ideal for motor control, DC-DC converters or any applications with low gate drive requirements.

### FEATURES

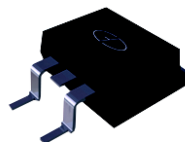
- Advanced MOSFET process technology
- Ultra low on-resistance
- Dynamic dv/dt rating

### BENEFITS

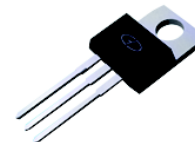
- Ultra low on-resistance with low gate charge
- Fast switching and reverse body recovery
- 175°C operating temperature

### APPLICATIONS

- Motor control
- DC-DC converters
- Solar inverters



TO-263 (D<sup>2</sup>PAK)



TO-220

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

### PRODUCT SERIES

Part Number	Package	Channel Polarity	Config.	$I_D$	$V_{DS}$	$V_{GS}$	$V_{GS(TH)}$ @ $V_{DS}=V_{GS}$ , $I_D=250\mu A$		$P_D$	$R_{DS(ON)}$ @ $V_{GS}=10V$ , $I_D=30A$		$Q_G$ @ $V_{GS}=10V$ , $I_D=30A$ , $V_{DS}=30V$	$T_J, T_{STG}$
				Max (A)	Max (V)	Max (V)	Min (V)	Max (V)		(W)	Typ. (mΩ)	Max (mΩ)	
SSF7509	TO-220	N-Ch	Single	80	75	±20	2	4	200	6.5	8	93.6	-55 to +175
SSF7509A	TO-263 (D <sup>2</sup> PAK)	N-Ch	Single	80	75	±20	2	4	187	6.5	8	93.6	-55 to +175

[www.goodarksemi.com](http://www.goodarksemi.com)

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