



→ FEATURED PRODUCT

Good-Ark Semiconductor 6A, 20V, Dual N-Channel MOSFET with ESD Protection In SOT-23-6L Package

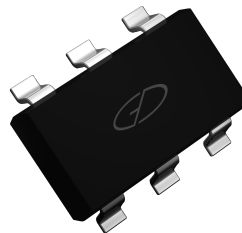
Good-Ark Semiconductor introduces SSF2418E, a 6A, 20V, dual N-Channel MOSFET with ESD protection, ideal for LIB charging and discharging switches. The SSF2418E utilizes the latest trench technologies and advance process techniques to achieve excellent $R_{DS(ON)}$, low gate charge and a high repetitive avalanche rating. Equipped with ESD protection up to 2KV, this device is suitable for use as a uni-directional or bi-directional load switch, facilitated by its common drain configuration.

FEATURES

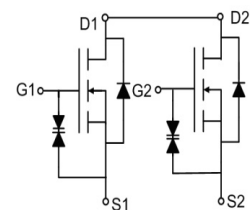
- Low gate-charge
- Low $R_{DS(ON)}$
- ESD protected, HBM 2KV
- Halogen free by design

BENEFITS

- Energy efficient
- Fast switch speed
- Low input and output leakage



SOT-23-6L Package



Schematic Diagram

APPLICATIONS

- DC-DC conversion
- Load switch
- Battery protection

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

KEY SPECIFICATIONS

MPN	I_D	V_{DS}	V_{GS}	$V_{GS(TH)}$ @ $V_{DS}=V_{GS}$, $I_D=250\mu A$		ESD	$R_{DS(ON)}$ @ $I_D=6A$ $V_{GS}=4.5V$		$R_{DS(ON)}$ @ $I_D=5A$ $V_{GS}=3.1V$		$R_{DS(ON)}$ @ $I_D=4A$ $V_{GS}=2.5V$		Q_G @ $V_{DS}=10V$, $I_D=6A$, $V_{GS}=4.5V$	$R_{\theta JA}$	T_J, T_{STG}
	Max (A)	Max (V)	Max (V)	Min (V)	Max (V)	Max (V)	Typ. (m Ω)	Max (m Ω)	Typ. (m Ω)	Max (m Ω)	Typ. (m Ω)	Max (m Ω)	Typ. (nC)	($^{\circ}C/W$)	($^{\circ}C$)
SSF2418E	6	20	± 12	0.5	1	2	18	21	21	26	25	30	8	95	-55 to +150

ALSO AVAILABLE IN OTHER PACKAGE TYPE:

✓ TSSOP-8 (SSF2816E)

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