



Ultra-Low $R_{DS(on)}$ Automotive COOLiRFET™

Package	$R_{DS(on)}$ Max@ 10Vgs (mΩ)	Q_g Typ (nc)	I_D Max (A)	R_{thjC} Max	Part Number
D ² PAK-7P	0.75	305	240	0.40°C/W	AUIRFS8409-7P
	1.0	210	240	0.51°C/W	AUIRFS8408-7P
	1.3	150	240	0.65°C/W	AUIRFS8407-7P
D ² PAK	1.2	300	195	0.40°C/W	AUIRFS8409
	1.6	216	195	0.51°C/W	AUIRFS8408
	1.8	150	195	0.65°C/W	AUIRFS8407
	2.3	107	120	0.92°C/W	AUIRFS8405
	3.3	62	120	1.52°C/W	AUIRFS8403
TO-262	1.2	300	195	0.40°C/W	AUIRFSL8409
	1.6	216	195	0.51°C/W	AUIRFSL8408
	1.8	150	195	0.65°C/W	AUIRFSL8407
	2.3	107	120	0.92°C/W	AUIRFSL8405
	3.3	62	120	1.52°C/W	AUIRFSL8403
TO-220	1.3	300	195	0.40°C/W	AUIRFB8409
	2.0	150	195	0.65°C/W	AUIRFB8407
	2.5	107	120	0.92°C/W	AUIRFB8405
DPAK	1.98	103	100	0.92°C/W	AUIRFR8405
	3.1	66	100	1.52°C/W	AUIRFR8403
	4.25	42	100	1.90°C/W	AUIRFR8401
IPAK	1.98	103	100	0.92°C/W	AUIRFU8405
	3.1	66	100	1.52°C/W	AUIRFU8403
	4.25	42	100	1.90°C/W	AUIRFU8401

The new International Rectifier AEC-Q101 qualified COOLiRFET™ technology sets a new benchmark with its ultra-low $R_{DS(on)}$. The advanced silicon trench technology has been developed specifically for the needs of automotive heavy load applications offering system level benefits as a result of superior $R_{DS(on)}$, robust avalanche performance and a wide range of packaging options.

The COOLiRFET™ Advantage:

- Benchmark $R_{DS(on)}$
- AEC Q101 qualified
- High current capability
- Robust avalanche capability

Key Applications:

- Electric power steering
- Battery switch
- Pumps
- Actuators
- Fans
- Heavy load applications

for more information call 1.800.981.8699 or visit us at www.irf.com

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