

## AIKW30N60CTXKSA1



**Part Number:** [AIKW30N60CTXKSA1](#)  
**Manufacturer:** [International Rectifier \(Infineon Technologies\)](#)  
**Description:** IC DISCRETE 600V TO247-3  
**Data sheet:** [PDF AIKW30N60CT](#)

**RoHS Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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### PRODUCT PARAMETER

Part Number	<a href="#">AIKW30N60CTXKSA1</a>
Manufacturer	<a href="#">International Rectifier (Infineon Technologies)</a>
Description	IC DISCRETE 600V TO247-3
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	27047 pcs
Product Photo	<a href="#">AIKW30N60CTXKSA1-001.jpg</a> , <a href="#">AIKW30N60CTXKSA1-002.jpg</a>
Category	<a href="#">Discrete Semiconductor Products</a>
Voltage - Collector Emitter Breakdown (Max)	600V
Vce(on) (Max) @ Vge, Ic	2.05V @ 15V, 30A
Test Condition	400V, 30A, 10.6 Ohm, 15V
Td (on/off) @ 25°C	23ns/254ns
Switching Energy	690µJ (on), 770µJ (off)
Supplier Device Package	PG-TO247-3
Series	Automotive, AEC-Q101, TrenchStop™
Power - Max	187W
Package / Case	TO-247-3
Other Names	SP001346786
Operating Temperature	-40°C ~ 175°C (TJ)
Mounting Type	Through Hole
Moisture Sensitivity Level (MSL)	1 (Unlimited)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Input Type	Standard
IGBT Type	Trench Field Stop
Gate Charge	167nC
Detailed Description	IGBT Trench Field Stop 600V 60A 187W Through Hole PG-TO247-3
Current - Collector Pulsed (Icm)	90A
Current - Collector (Ic) (Max)	60A

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### RELATED PRODUCTS

	Part#: <a href="#">AIKB20N60CTATMA1</a> Description: IC DISCRETE 600V TO263-3	Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> In Stock: 47563	<a href="#">RFQ</a>
	Part#: <a href="#">AIK30F10AN024-Q65</a> Description: SENSOR-M30-S10-F-1030VDC 250MA--	Manufacturers: <a href="#">Altech Corporation</a> In Stock: 1482	<a href="#">RFQ</a>
	Part#: <a href="#">AIK30N15AN024-Q65</a> Description: SENSOR-M30-S15-NF-1030VDC 250MA-	Manufacturers: <a href="#">Altech Corporation</a> In Stock: 1726	<a href="#">RFQ</a>
	Part#: <a href="#">AIKW50N65DH5XKSA1</a> Description: IC DISCRETE 650V TO247-3	Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> In Stock: 19725	<a href="#">RFQ</a>
	Part#: <a href="#">AIK30N15AN024-2M</a> Description: SENSOR-M30-S15-NF-1030VDC 250MA-	Manufacturers: <a href="#">Altech Corporation</a> In Stock: 2069	<a href="#">RFQ</a>
	Part#: <a href="#">AIK30N15AP024-Q65</a> Description: SENSOR-M30-S15-NF-1030VDC 250MA-	Manufacturers: <a href="#">Altech Corporation</a> In Stock: 1630	<a href="#">RFQ</a>
	Part#: <a href="#">AIKQ100N60CTXKSA1</a> Description: IC DISCRETE 600V TO247-3	Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> In Stock: 10791	<a href="#">RFQ</a>
	Part#: <a href="#">AIKW50N60CTXKSA1</a> Description: IC DISCRETE 600V TO247-3	Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> In Stock: 15770	<a href="#">RFQ</a>
	Part#: <a href="#">AIKW20N60CTXKSA1</a> Description: IC DISCRETE 600V TO247-3	Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> In Stock: 42265	<a href="#">RFQ</a>
	Part#: <a href="#">AIKW75N60CTXKSA1</a> Description: IC DISCRETE 600V TO247-3	Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> In Stock: 12292	<a href="#">RFQ</a>
	Part#: <a href="#">AIKP20N60CTAKSA1</a> Description: IC DISCRETE 600V TO220-3	Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> In Stock: 5817	<a href="#">RFQ</a>
	Part#: <a href="#">AIK30F10AP024-Q65</a> Description: SENSOR-M30-S10-F-1030VDC 250MA--	Manufacturers: <a href="#">Altech Corporation</a> In Stock: 1846	<a href="#">RFQ</a>
	Part#: <a href="#">AIKQ120N60CTXKSA1</a> Description: IC DISCRETE 600V TO247-3	Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> In Stock: 6408	<a href="#">RFQ</a>
	Part#: <a href="#">AIKW50N65DF5XKSA1</a> Description: IC DISCRETE 650V TO247-3	Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> In Stock: 16554	<a href="#">RFQ</a>
	Part#: <a href="#">AIK18N08AP024-Q65</a> Description: SENSOR-M18-S80-NF-1030VDC 250MA-	Manufacturers: <a href="#">Altech Corporation</a> In Stock: 1798	<a href="#">RFQ</a>
	Part#: <a href="#">AIK30N15AP024-2M</a> Description: SENSOR-M30-S15-NF-1030VDC 250MA-	Manufacturers: <a href="#">Altech Corporation</a> In Stock: 1831	<a href="#">RFQ</a>
	Part#: <a href="#">AIK30F10AP024-2M</a> Description: SENSOR-M30-S10-F-1030VDC 250MA--	Manufacturers: <a href="#">Altech Corporation</a> In Stock: 1770	<a href="#">RFQ</a>
	Part#: <a href="#">AIKW40N65DF5XKSA1</a> Description: IC DISCRETE 650V TO247-3	Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> In Stock: 22542	<a href="#">RFQ</a>
	Part#: <a href="#">AIK30F10AN024-2M</a> Description: SENSOR-M30-S10-F-1030VDC 250MA--	Manufacturers: <a href="#">Altech Corporation</a> In Stock: 1682	<a href="#">RFQ</a>
	Part#: <a href="#">AIKW40N65DH5XKSA1</a> Description: IC DISCRETE 650V TO247-3	Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> In Stock: 23518	<a href="#">RFQ</a>

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