

## QQQX2.E78996 Power Switching Semiconductors - Component

## **Power Switching Semiconductors - Component**

See General Information for Power Switching Semiconductors - Component

### INTERNATIONAL RECTIFIER CORP SEMICONDUCTOR DIV

E78996

233 KANSAS ST

EL SEGUNDO, CA 90245 USA

Type IRK may be followed by C, D, DL, E, EL, H, J, K, L, N, T, U, V, may be followed by 26, 27, 41, 42, 56, 57, 71, 72, 91, 92 or 101 may be followed by -04, -06, -08, -10, -12, -14 or -16. When DL or EL appear, may be followed by S02, S05, S10 or S90.

Type P or PR, followed by -10, -11, -12, -13, -14, -16, -17, -40, -41, -42, -43, -44, -46, -47, followed by 1, 2, 3, 4, or 5 and may be followed by K, W or KW.

Type T, followed by -40, -50, -70, -85, -90, -110, followed by, HF, HFL, RIA, AC, followed by 10, 20, 40, 60, 80, 120, 140, 160, may be followed by "A", or optionally "S", followed by 02, 05, or 10.

Semiconductors, Type IRK followed by T, U, V, H, L, K or N may be followed by 26, 27, 41, 42, 56, 57, 71, 72, 91, 92, 105 or 106 may be followed by /04, /06, /08, /10, /12, /14, /16, /18 or /20, may be followed by S90.

Type IRK followed by H, HF, K, KF, L, LF, N, NF, T, TF, U, UF, V or VF; followed by 170, 180, 200, 210, 230 or 250 followed by -04, -06, -08, -10, -12, -14, -16, -18, -20, -22 or -24; and may be followed by D20 or D25; Type IRK followed by C, CL, D, DL, E, EL, J or JL; followed by 240, 250, 260, 270 or 320; followed by -04, -06, -08, -10, -12, -14, -16, -18, -20, -22 or -24. For IRKCL, DL, EL and JL Series may have additional suffix -S10 or -S20.

Type IRFK followed by 2D, or 4H, followed by 054, 150, 151, 250, 251, 350, 351, 450, 451, C50 or E50; Type IRFK followed by 3D or 6H, followed by 150, 250, 350, 450, C50 or E50.

Type IRK followed by H, HF, K, KF, L, LF, N, NF, T, TF, U, UF, V or VF, followed by -71, -72, -81, -82, -101, -102, -111, -112, -131, -132, -135, -136, -141, -142, -151, -152, -161 or -162, followed by -04, -06, -08, -10, -12, -14, -16, -18, -20, -22 or -24, may be followed by D20 or D25; Type IRK, followed by C, CL, D, DL, E, EL, J or JL, followed by -161, -162, -165, -166, -191, -192, -195, -196, -235 or -236, followed by -04, -06, -08, -10, -12, -14, -16, -18, -20, -22 or -24, all models may be followed by N. For IRKCL, DL, EL and JL Series may have additional suffix -S10 or -S20.

Type B followed by 25, 40, followed by R1A, AC, HF, HFL, A, DS, DA, DC, CS, JS, D, DL, C, CL, J, JL, H2S, A2C, HH, H2L, followed by 10, 20, 40, 60, 80, 100, 120, 140, 160, may be followed by D, K.

Types 5, 6, 7, 9, 10, 11, 13, 16, 20, followed by 0 or 1 or 2, or 3, or 4, followed by MT, followed by 40 or 80 or 100 or 120 or 140 or 160, followed by K, KB or KC, may be followed by S90.

Type CP followed by U or V, followed by 1, 2, or 3, followed by 6, followed by 2, 3, 4, or 5, followed by M, may be

followed by 4, followed by S, F, M, U, or K or Type 97-0306.

Type IRK followed by C, D, E, J, may be followed by L, may be followed by 56, 61, 71, 81, 91 or 101, may be followed by /04, /06, /08, /10, /12, /14, /16, /18 or /20. When L is present, there may be a suffix S02, S05 or S10.

Semiconductors, Type IRG followed by C, D, K, N, S, or T, followed by A, may be followed by 035, 050, 065, 090, 120, 180, 240 or 330, may be followed by F, S or U, may be followed by 02 or 06.

Semiconductors, Type IRG followed by TI, KI, NI, SI, SD, DD, DI, TDN, DDN, TIN, KIN, NIN, may be followed by 00 through 1000, followed by F, K, M, S or U, followed by 02, 06 or 12.

Semiconductors, Type IRK followed by T, H, L, U, V, K, S, N, D, E, J or C, followed by L, F of none, followed by 430, 450, 460, 500, 600, 620 or 700, followed by 02, 04, 06, 08, 10, 12, 14, 16, 18, 20, 22, 24, 25 or 26, may be followed by S10, S20, S30, D28, D30 or D32.

**Switching semiconductors**, Type GA or GB followed by 50, 75, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500, 600, 800, 1000, 1200, or 1500, followed by D, G, H, K, N, P, S, or T, followed by D or S, followed by 5, 25, 50, 60, 90, or 120, followed by M, K, S, U, or W, followed by Q.

**Power modules**, Model IRPT, followed by -1053, -1056, -1057, -1058, -1059, -1060, -1061, -1065, -1066, -2056, -2059, -2060, -2061, -2062, -2064, or -3054 all followed by "A".

**Fully Insulated diodes and SCRS**; Models 10, 12, 16, 20, or 25, followed by ETS, ETF, or TTS; followed by 02, 04, 06, 08, 12, or 16; followed by FP.

Types IRK, followed by T, H, L, D, C, J, E, followed by 136, 142, 152, 162, 166, 196, 236, followed by /04, /06, /08, /10, /12, /14, /16.

Types IRK, followed by T, H, L, D, C, J, E, followed by 171, 231, 251, 271, 321, followed by /04, /06, /08, /10, /12, /14, /16.

Type MT. Prefix with 19, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95 or 100, followed by MT, followed by 025, 040, 050, 060, 080, 090, 120 or 160, followed by U, S, W, F, K, X, P, T, PH or PL, followed by H, F, LS, HS, DF, A or B.

Type IRK, followed by T, U, V, H, L, K, N, C, D, E or J, followed by 26, 27, 41, 42, 56, 57, 71, 72, 91, 92, 105 or 106, followed by /04, /06, /08, /10, /12, /14, /16, /18 or /20, followed by A, may be followed by S90.

**Power semiconductor switch type**, Types 19, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95 or 100, followed by MT, followed by 025, 040, 050, 060, 080, 090, 120 or 160, followed by U, S, W, F, K or X, followed by H, F, LS, HS or DF, may be followed by T.

**Power semiconductor rectifier**, Types 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95 or 100, followed by MT, followed by 025, 040, 050, 060, 080, 090, 120 or 160, followed by P, PT, PH or PL, followed by A or B.

**Power switching semiconductors**, Model Nos. GB10RF120K, GB15RF120K, GF25RF120K, GB10XF120K, GB15XF120K, GB25XF120K, GB35XF120K, GB50XF120K, GB10RF60K, GB15RF60K, GB20RF60K, GB30RF60K, GB50RF60K, GB20XF60K, GB30XF60K, GB50XF60K, GB50XF60K.



# QQQX2.GuideInfo Power Switching Semiconductors - Component

## **Power-switching Semiconductors - Component**

The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UNDERWRITERS LABORATORIES INC.

#### USE

This category covers power-switching semiconductors rated maximum 600 V ac rms or dc. They have been investigated only with regard to their insulation system voltage rating to ground.

#### CONDITIONS OF ACCEPTABILITY

Unless specified otherwise in the individual Recognitions, consideration is to be given to the following Conditions of Acceptability when these components are employed in the end-use equipment:

- 1. These devices shall be installed in compliance with the requirements for enclosure, mounting, electrical spacing, and segregation of the end-use equipment.
- 2. The suitability of the specified voltage rating shall be determined in the end-use application.
- 3. Electrical terminals are intended to be factory wired only and the suitability of the connection shall be determined in the end-use equipment.
- 4. The suitability and performance of these devices as switches shall be determined in the end-use equipment.

Additional Conditions of Acceptability may be specified in the individual Recognitions.

### REQUIREMENTS

The basic standard used to investigate products in this category is UL 1557, "Electrically Isolated Semiconductor Devices."

Last Updated on 2005-01-27



## Online Certifications Directory - Notice of Disclaimer

By accessing these Listings, Designs, Constructions, Systems, and Assemblies, the user acknowledges and accepts the terms and conditions upon which this service is made available.

THIS INFORMATION AND ALL RELATED MATERIALS, SUPPORT, AND SERVICES ARE MADE AVAILABLE BY UL FOR USE ONLY BY USERS FOR THEIR INTERNAL PURPOSES AND IS "AS IS," WITHOUT ANY REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

UL cannot and does not warrant that this information is current, accurate, or complete. This database contains the names of companies who have qualified to use the UL Mark and those products for which samples have been evaluated by UL and judged to be eligible for Listing. The manufacturer is not obligated to label all of his production. Accordingly, the appearance of a company's name or product in this database does not in itself assure those products are covered under UL's Listing and Follow-Up Service. Only those products bearing the appropriate UL Mark should be considered covered under UL's Listing and Follow-Up Service. Any reproduction or re-transmission of this information is prohibited unless reproduced or re-transmitted in its entirety, including this Notice of Disclaimer.

UL does not permit hyperlinking to this website without its express prior written consent and the execution of a hyperlinking agreement.