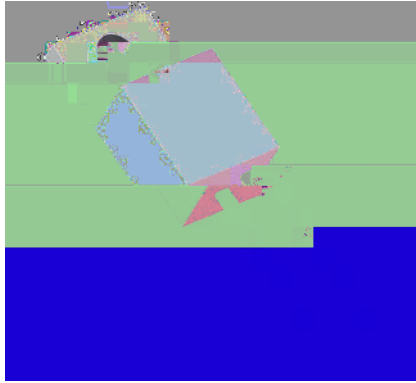




Ultra-Fast Recovery Diodes 8A FRED



Features

- Adopt FRED chip
- Low forward Voltage drop
- Fast reverse recovery time
- High frequency operation
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long life
- Compatible with leaded and leadless solderable packages TO-18, TO-18A, TO-18AB, TO-18C, TO-18D, TO-18E, TO-18F, TO-18G, TO-18H, TO-18J, TO-18K, TO-18L, TO-18M, TO-18N, TO-18P, TO-18Q, TO-18R, TO-18S, TO-18T, TO-18U, TO-18V, TO-18W, TO-18X, TO-18Y, TO-18Z, TO-18AA, TO-18AB, TO-18AC, TO-18AD, TO-18AE, TO-18AF, TO-18AG, TO-18AH, TO-18AI, TO-18AJ, TO-18AK, TO-18AL, TO-18AM, TO-18AN, TO-18AO, TO-18AP, TO-18AQ, TO-18AR, TO-18AS, TO-18AT, TO-18AU, TO-18AV, TO-18AW, TO-18AX, TO-18AY, TO-18AZ, TO-18BA, TO-18BB, TO-18BC, TO-18BD, TO-18BE, TO-18BF, TO-18BG, TO-18BH, TO-18BI, TO-18BJ, TO-18BK, TO-18BL, TO-18BM, TO-18BN, TO-18BO, TO-18BP, TO-18BQ, TO-18BR, TO-18BS, TO-18BT, TO-18BU, TO-18BV, TO-18BW, TO-18BX, TO-18BY, TO-18BZ, TO-18CA, TO-18CB, TO-18CC, TO-18CD, TO-18CE, TO-18CF, TO-18CG, TO-18CH, TO-18CI, TO-18CJ, TO-18CK, TO-18CL, TO-18CM, TO-18CN, TO-18CO, TO-18CP, TO-18CQ, TO-18CR, TO-18CS, TO-18CT, TO-18CU, TO-18CV, TO-18CW, TO-18CX, TO-18CY, TO-18CZ, TO-18DA, TO-18DB, TO-18DC, TO-18DD, TO-18DE, TO-18DF, TO-18DG, TO-18DH, TO-18DI, TO-18DJ, TO-18DK, TO-18DL, TO-18DM, TO-18DN, TO-18DO, TO-18DP, TO-18DQ, TO-18DR, TO-18DS, TO-18DT, TO-18DU, TO-18DV, TO-18DW, TO-18DX, TO-18DY, TO-18DZ, TO-18EA, TO-18EB, TO-18EC, TO-18ED, TO-18EE, TO-18EF, TO-18EG, TO-18EH, TO-18EI, TO-18EJ, TO-18EK, TO-18EL, TO-18EM, TO-18EN, TO-18EO, TO-18EP, TO-18EQ, TO-18ER, TO-18ES, TO-18ET, TO-18EU, TO-18EV, TO-18EW, TO-18EX, TO-18EY, TO-18EZ, TO-18FA, TO-18FB, TO-18FC, TO-18FD, TO-18FE, TO-18FF, TO-18FG, TO-18FH, TO-18FI, TO-18FJ, TO-18FK, TO-18FL, TO-18FM, TO-18FN, TO-18FO, TO-18FP, TO-18FQ, TO-18FR, TO-18FS, TO-18FT, TO-18FU, TO-18FV, TO-18FW, TO-18FX, TO-18FY, TO-18FZ, TO-18GA, TO-18GB, TO-18GC, TO-18GD, TO-18GE, TO-18GF, TO-18GG, TO-18GH, TO-18GI, TO-18GJ, TO-18GK, TO-18GL, TO-18GM, TO-18GN, TO-18GO, TO-18GP, TO-18GQ, TO-18GR, TO-18GS, TO-18GT, TO-18GU, TO-18GV, TO-18GW, TO-18GX, TO-18GY, TO-18GZ, TO-18HA, TO-18HB, TO-18HC, TO-18HD, TO-18HE, TO-18HF, TO-18HG, TO-18HH, TO-18HI, TO-18HJ, TO-18HK, TO-18HL, TO-18HM, TO-18HN, TO-18HO, TO-18HP, TO-18HQ, TO-18HR, TO-18HS, TO-18HT, TO-18HU, TO-18HV, TO-18HW, TO-18HX, TO-18HY, TO-18HZ, TO-18IA, TO-18IB, TO-18IC, TO-18ID, TO-18IE, TO-18IF, TO-18IG, TO-18IH, TO-18II, TO-18IJ, TO-18IK, TO-18IL, TO-18IM, TO-18IN, TO-18IO, TO-18IP, TO-18IQ, TO-18IR, TO-18IS, TO-18IT, TO-18IU, TO-18IV, TO-18IW, TO-18IX, TO-18IY, TO-18IZ, TO-18JA, TO-18JB, TO-18JC, TO-18JD, TO-18JE, TO-18JF, TO-18JG, TO-18JH, TO-18JI, TO-18JJ, TO-18JK, TO-18JL, TO-18JM, TO-18JN, TO-18JO, TO-18JP, TO-18JQ, TO-18JR, TO-18JS, TO-18JT, TO-18JU, TO-18JV, TO-18JW, TO-18JX, TO-18JY, TO-18JZ, TO-18KA, TO-18KB, TO-18KC, TO-18KD, TO-18KE, TO-18KF, TO-18KG, TO-18KH, TO-18KI, TO-18KJ, TO-18KK, TO-18KL, TO-18KM, TO-18KN, TO-18KO, TO-18KP, TO-18KQ, TO-18KR, TO-18KS, TO-18KT, TO-18KU, TO-18KV, TO-18KW, TO-18KX, TO-18KY, TO-18KZ, TO-18LA, TO-18LB, TO-18LC, TO-18LD, TO-18LE, TO-18LF, TO-18LG, TO-18LH, TO-18LI, TO-18LJ, TO-18LK, TO-18LL, TO-18LM, TO-18LN, TO-18LO, TO-18LP, TO-18LQ, TO-18LR, TO-18LS, TO-18LT, TO-18LU, TO-18LV, TO-18LW, TO-18LX, TO-18LY, TO-18LZ, TO-18MA, TO-18MB, TO-18MC, TO-18MD, TO-18ME, TO-18MF, TO-18MG, TO-18MH, TO-18MI, TO-18MJ, TO-18MK, TO-18ML, TO-18MN, TO-18MO, TO-18MP, TO-18MQ, TO-18MR, TO-18MS, TO-18MT, TO-18MU, TO-18MV, TO-18MW, TO-18MX, TO-18MY, TO-18MZ, TO-18NA, TO-18NB, TO-18NC, TO-18ND, TO-18NE, TO-18NF, TO-18NG, TO-18NH, TO-18NI, TO-18NJ, TO-18NK, TO-18NL, TO-18NM, TO-18NN, TO-18NO, TO-18NP, TO-18NQ, TO-18NR, TO-18NS, TO-18NT, TO-18NU, TO-18NV, TO-18NW, TO-18NX, TO-18NY, TO-18NZ, TO-18OA, TO-18OB, TO-18OC, TO-18OD, TO-18OE, TO-18OF, TO-18OG, TO-18OH, TO-18OI, TO-18OJ, TO-18OK, TO-18OL, TO-18OM, TO-18ON, TO-18OO, TO-18OP, TO-18OQ, TO-18OR, TO-18OS, TO-18OT, TO-18OU, TO-18OV, TO-18OW, TO-18OX, TO-18OY, TO-18OZ, TO-18PA, TO-18PB, TO-18PC, TO-18PD, TO-18PE, TO-18PF, TO-18PG, TO-18PH, TO-18PI, TO-18PJ, TO-18PK, TO-18PL, TO-18PM, TO-18PN, TO-18PO, TO-18PP, TO-18PQ, TO-18PR, TO-18PS, TO-18PT, TO-18PU, TO-18PV, TO-18PW, TO-18PX, TO-18PY, TO-18PZ, TO-18QA, TO-18QB, TO-18QC, TO-18QD, TO-18QE, TO-18QF, TO-18QG, TO-18QH, TO-18QI, TO-18QJ, TO-18QK, TO-18QL, TO-18QM, TO-18QN, TO-18QO, TO-18QP, TO-18QQ, TO-18QR, TO-18QS, TO-18QT, TO-18QU, TO-18QV, TO-18QW, TO-18QX, TO-18QY, TO-18QZ, TO-18RA, TO-18RB, TO-18RC, TO-18RD, TO-18RE, TO-18RF, TO-18RG, TO-18RH, TO-18RI, TO-18RJ, TO-18RK, TO-18RL, TO-18RM, TO-18RN, TO-18RO, TO-18RP, TO-18RQ, TO-18RR, TO-18RS, TO-18RT, TO-18RU, TO-18RV, TO-18RW, TO-18RX, TO-18RY, TO-18RZ, TO-18SA, TO-18SB, TO-18SC, TO-18SD, TO-18SE, TO-18SF, TO-18SG, TO-18SH, TO-18SI, TO-18SJ, TO-18SK, TO-18SL, TO-18SM, TO-18SN, TO-18SO, TO-18SP, TO-18SQ, TO-18SR, TO-18SS, TO-18ST, TO-18SU, TO-18SV, TO-18SW, TO-18SX, TO-18SY, TO-18SZ, TO-18TA, TO-18TB, TO-18TC, TO-18TD, TO-18TE, TO-18TF, TO-18TG, TO-18TH, TO-18TI, TO-18TJ, TO-18TK, TO-18TL, TO-18TM, TO-18TN, TO-18TO, TO-18TP, TO-18TQ, TO-18TR, TO-18TS, TO-18TT, TO-18TU, TO-18TV, TO-18TW, TO-18TX, TO-18TY, TO-18TZ, TO-18UA, TO-18UB, TO-18UC, TO-18UD, TO-18UE, TO-18UF, TO-18UG, TO-18UH, TO-18UI, TO-18UJ, TO-18UK, TO-18UL, TO-18UM, TO-18UN, TO-18UO, TO-18UP, TO-18UQ, TO-18UR, TO-18US, TO-18UT, TO-18UU, TO-18UV, TO-18UW, TO-18UX, TO-18UY, TO-18UZ, TO-18VA, TO-18VB, TO-18VC, TO-18VD, TO-18VE, TO-18VF, TO-18VG, TO-18VH, TO-18VI, TO-18VJ, TO-18VK, TO-18VL, TO-18VM, TO-18VN, TO-18VO, TO-18VP, TO-18VQ, TO-18VR, TO-18VS, TO-18VT, TO-18VU, TO-18VV, TO-18VW, TO-18VX, TO-18VY, TO-18VZ, TO-18WA, TO-18WB, TO-18WC, TO-18WD, TO-18WE, TO-18WF, TO-18WG, TO-18WH, TO-18WI, TO-18WJ, TO-18WK, TO-18WL, TO-18WM, TO-18WN, TO-18WO, TO-18WP, TO-18WQ, TO-18WR, TO-18WS, TO-18WT, TO-18WU, TO-18WV, TO-18WW, TO-18WX, TO-18WY, TO-18WZ, TO-18XA, TO-18XB, TO-18XC, TO-18XD, TO-18XE, TO-18XF, TO-18XG, TO-18XH, TO-18XI, TO-18XJ, TO-18XK, TO-18XL, TO-18XM, TO-18XN, TO-18XO, TO-18XP, TO-18XQ, TO-18XR, TO-18XS, TO-18XT, TO-18XU, TO-18XV, TO-18XW, TO-18XX, TO-18XY, TO-18XZ, TO-18YA, TO-18YB, TO-18YC, TO-18YD, TO-18YE, TO-18YF, TO-18YG, TO-18YH, TO-18YI, TO-18YJ, TO-18YK, TO-18YL, TO-18YM, TO-18YN, TO-18YO, TO-18YP, TO-18YQ, TO-18YR, TO-18YS, TO-18YT, TO-18YU, TO-18YV, TO-18YW, TO-18YX, TO-18YY, TO-18YZ, TO-18ZA, TO-18ZB, TO-18ZC, TO-18ZD, TO-18ZE, TO-18ZF, TO-18ZG, TO-18ZH, TO-18ZI, TO-18ZJ, TO-18ZK, TO-18ZL, TO-18ZM, TO-18ZN, TO-18ZO, TO-18ZP, TO-18ZQ, TO-18ZR, TO-18ZS, TO-18ZT, TO-18ZU, TO-18ZV, TO-18ZW, TO-18ZX, TO-18ZY, TO-18ZZ

Maximum Ratings (T_j=25 °C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	MUR860U
Device marking code			MUR860U
Repetitive Peak Reverse Voltage	VRRM	V	600
Average Rectified Output Current @60Hz sine wave, R-load, T _c (FIG.1)	I _O	A	8
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, T _j =25	I _{FSM}	A	80
Current Squared Time @1ms t 8.3ms T _j =25	I ² t	A ² s	26.56
Storage Temperature	T _{stg}		-55 ~ +175
Junction Temperature	T _j		-55 ~ +175
Typical Junction capacitance @4V,1MHz	C _j	pF	30



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TO-220AC		
Dim	Min	Max
A	9.95	10.35
B	2.55	2.95
C	3.75	4.05
D	14.95	15.25
E	3.75	4.25
F	0.26	0.5



MUR860U

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