

# Fast Recovery Epitaxial Diodes (FRED)



$$I_{FAV} = 2x60 - 2x160 \text{ A}$$

2x61/101/121/161...P

Type	$V_{RRM}$	$I_{FAV}$ @ $T_C$ d=0.5	$T_C$	$I_{FRMS}$	$I_{FSM}$ 10 ms	$V_F$ @ $I_F$ max.	$t_{rr}$ typ.	$I_{RM}$ @ -di/dt typ.	$R_{thJC}$	$P_{tot}$	Package style		
$T_{VJM} = 150^\circ\text{C}$	V	A	$^\circ\text{C}$	$T_{VJM}$	45 $^\circ\text{C}$	$T_{VJ} = 150^\circ\text{C}$	$T_{VJ}=25^\circ\text{C}$	$T_{VJ} = 100^\circ\text{C}$	K/W	max. W	Fig. No.		
New				A	A	V	ns	A	A/μs				
▶ DSEI 2x61-02P	200	2x71	85	100	950	0.88	60	35	8	200	0.8	150	24 Outline drawings on page 91-100 Fig. 25 ECO-PAC 2 Weight = 24 g See data sheet for pin arrangement
▶ DSEI 2x61-06P	600	60	70	100	550	1.5	60	35	19	480	0.7	180	
▶ DSEI 2x61-10P	1000	60	50	100	500	1.8	60	35	32	540	0.7	180	
▶ DSEI 2x61-12P	1200	52	50	100	450	2.15	60	40	32	540	0.7	180	
DSEI 2x61-02A	200	2x71	85	100	950	0.88	60	35	8	200	0.8	150	12 Fig. 24 ECO-PAC 1 Weight = 19 g See data sheet for pin arrangement
DSEI 2x61-04C	400	2x60	70	100	550	1.5	60	35	19	480	0.7	180	
DSEI 2x61-06C	600	2x60	70	100	550	1.5	60	35	19	480	0.7	180	
DSEI 2x61-10B	1000	2x60	50	100	500	1.8	60	35	32	480	0.7	180	
DSEI 2x61-12B	1200	2x52	50	100	450	2.15	60	40	32	480	0.7	180	
▶ DSEI 2x121-02P	600	2x123	70	150	1200	0.89	120	35	12	200	0.7	250	25
DSEI 2x121-02A	200	2x123	70	150	1200	0.95	120	35	12	200	0.5	250	12
▶ DSEI 2x101-06P	600	2x96	70	150	1200	1.17	100	40	19	200	0.5	250	25 See data sheet for pin arrangement
▶ DSEI 2x101-12P	1200	2x91	50	130	900	1.61	100	40	24	200	0.5	250	
DSEI 2x101-06A	600	2x96	70	150	1200	1.17	100	35	19	200	0.5	250	12
DSEI 2x101-12A	1200	2x91	50	130	1200	1.61	100	40	24	200	0.5	250	
▶ DSEI 2x161-02P	600	2x165	70	270	1200	1.2	200	35	20	200	0.29	430	25
▶ DSEI 2x161-06P	600	2x147	70	270	1200	1.45	200	35	45	200	0.29	430	
▶ DSEI 2x161-12P	1200	2x128	70	270	1200	1.9	200	40	48	200	0.29	430	



Fig. 25 ECO-PAC 2  
Weight = 24 g  
See data sheet for pin arrangement



Fig. 24 ECO-PAC 1  
Weight = 19 g  
See data sheet for pin arrangement

Fig. 12  
SOT-227B miniBLOC  
Weight = 30 g

