

Fast Recovery Power Diodes

Stud type

Device type	Maximum rating			Thermal rating Tj and Tstg °C	Characteristics (Ta=25°C)				Package	Net mass Grams
	VRRM Volts	Io Amps.	IFSM*1 Amps.		VFM Max. Volts	IRRM*2 Max. µA	trr*3 µsec.	Rth(j-c) °C/W		
ERD24-005	50	12 (Tc=82°C)	120	-40 to +140	1.3 (If=12A)	5 (Tj=140°C)	0.3	2.1	Power M5F	5.5
ERD24-01	100									
ERD24-02	200									
ERD24-04	400									
ERD24-06	600	12 (Tc=90°C)	120	-40 to +150	1.3 (If=12A)	5 (Tj=150°C)	0.3	2.1	Power M5F	5.5
ERD74-005	50	12 (Tc=82°C)	120	-40 to +140	1.3 (If=12A)	5 (Tj=140°C)	0.3	2.1	Power M5R	5.5
ERD74-01	100									
ERD74-02	200									
ERD74-04	400									
ERD74-06	600	12 (Tc=90°C)	120	-40 to +150	1.3 (If=12A)	5 (Tj=150°C)	0.3	2.1	Power M5R	5.5
ERE24-005	50	20 (Tc=84°C)	180	-40 to +140	1.3 (If=20A)	8 (Tj=140°C)	0.3	1.2	Power M6F	12
ERE24-01	100									
ERE24-02	200									
ERE24-04	400									
ERE24-06	600	30 (Tc=87°C)	180	-40 to +150	1.3 (If=30A)	15 (Tj=150°C)	0.3	1.2	Power M6F	12
ERE74-005	50	20 (Tc=84°C)	180	-40 to +140	1.3 (If=20A)	8 (Tj=140°C)	0.3	1.2	Power M6R	12
ERE74-01	100									
ERE74-02	200									
ERE74-04	400									
ERE74-06	600	30 (Tc=87°C)	180	-40 to +150	1.3 (If=30A)	15 (Tj=150°C)	0.3	1.2	Power M6R	12
ERG24-005	50	30 (Tc=87°C)	500	-40 to +140	1.3 (If=30A)	15 (Tj=140°C)	0.3	0.8	Power M8F	25
ERG24-01	100									
ERG24-02	200									
ERG24-04	400									
ERG74-005	50	30 (Tc=87°C)	500	-40 to +140	1.3 (If=30A)	15 (Tj=140°C)	0.3	0.8	Power M8R	25
ERG74-01	100									
ERG74-02	200									
ERG74-04	400									
ERD75-005	50	30 (Tc=98°C)	200	-40 to +150	0.95(If=15A)	1.5(Tj=150°C)	0.3	2.1	Power M5R	5.5
ERD75-01	100									
ERD75-02	200									
ERE75-005	50	30 (Tc=111°C)	350	-40 to +150	0.95(If=30A)	3 (Tj=150°C)	0.3	1.2	Power M6R	12
ERE75-01	100									
ERE75-02	200									
ERG75-005	50	45 (Tc=111°C)	800	-40 to +150	0.95(If=45A)	3 (Tj=150°C)	0.3	0.8	Power M8R	25
ERG75-01	100									
ERG75-02	200									
ERD27-10	1000	10 (Tc=80°C)	120	-40 to +125	1.65(If=10A)	0.5(Tj=25°C)	0.5	2.1	Power M5F	5.5
ERD77-10	1000	10	120	-40 to +125	1.65(If=10A)	0.5(Tj=25°C)	0.5	2.1	Power M5R	5.5
ERG27-10	1000	30 (Tc=70°C)	500	-40 to +125	1.65(If=30A)	2.0(Tj=25°C)	0.5	0.8	Power M8F	25
ERG77-10	1000	30	500	-40 to +125	1.65(If=30A)	2.0(Tj=25°C)	0.5	0.8	Power M8R	25

() Conditions

*1 Sine wave, 10ms *2 VR=VRRM

*3 IF=IR=0.1A