



整流ダイオード / Rectifier Diodes

電力用高速ダイオード Fast Recovery Power Diodes

スタッドタイプ Stud type

形式 Device type	絶対最大定格 Maximum rating			接合、保存温度 Thermal rating T _j and T _{stg} °C	電気的特性 (T _a =25°C) Characteristics (T _a =25°C)				パッケージ Package	質量 Net mass Grams
	V _{RRM} Volts	I _o Amps.	I _{FSM} *1 Amps.		V _{FM} Max. Volts	I _{RRM} *2 Max. mA	t _{rr} *3 μsec.	R _{th(j-c)} °C/W		
ERD24-005	50	12 (T _c =82°C)	120	-40 to +140	1.3 (I _F =12A)	5 (T _j =140°C)	0.3	2.1	Power M5F	5.5
ERD24-01	100									
ERD24-02	200									
ERD24-04	400									
ERD24-06	600	12 (T _c =90°C)	120	-40 to +150	1.3 (I _F =12A)	5 (T _j =150°C)	0.3	2.1	Power M5F	5.5
ERD74-005	50	12 (T _c =82°C)	120	-40 to +140	1.3 (I _F =12A)	5 (T _j =140°C)	0.3	2.1	Power M5R	5.5
ERD74-01	100									
ERD74-02	200									
ERD74-04	400									
ERD74-06	600	12 (T _c =90°C)	120	-40 to +150	1.3 (I _F =12A)	5 (T _j =150°C)	0.3	2.1	Power M5R	5.5
ERE24-005	50	20 (T _c =84°C)	180	-40 to +140	1.3 (I _F =20A)	8 (T _j =140°C)	0.3	1.2	Power M6F	12
ERE24-01	100									
ERE24-02	200									
ERE24-04	400									
ERE24-06	600	30 (T _c =87°C)	180	-40 to +150	1.3 (I _F =30A)	15 (T _j =150°C)	0.3	1.2	Power M6F	12
ERE74-005	50	20 (T _c =84°C)	180	-40 to +140	1.3 (I _F =20A)	8 (T _j =140°C)	0.3	1.2	Power M6R	12
ERE74-01	100									
ERE74-02	200									
ERE74-04	400									
ERE74-06	600	30 (T _c =87°C)	180	-40 to +150	1.3 (I _F =30A)	15 (T _j =150°C)	0.3	1.2	Power M6R	12
ERG24-005	50	30 (T _c =87°C)	500	-40 to +140	1.3 (I _F =30A)	15 (T _j =140°C)	0.3	0.8	Power M8F	25
ERG24-01	100									
ERG24-02	200									
ERG24-04	400									
ERG74-005	50	30 (T _c =87°C)	500	-40 to +140	1.3 (I _F =30A)	15 (T _j =140°C)	0.3	0.8	Power M8R	25
ERG74-01	100									
ERG74-02	200									
ERG74-04	400									
ERD75-005	50	30 (T _c =98°C)	200	-40 to +150	0.95 (I _F =15A)	1.5 (T _j =150°C)	0.3	2.1	Power M5R	5.5
ERD75-01	100									
ERD75-02	200									
ERE75-005	50	30 (T _c =111°C)	350	-40 to +150	0.95 (I _F =30A)	3 (T _j =150°C)	0.3	1.2	Power M6R	12
ERE75-01	100									
ERE75-02	200									
ERG75-005	50	45 (T _c =111°C)	800	-40 to +150	0.95 (I _F =45A)	3 (T _j =150°C)	0.3	0.8	Power M8R	25
ERG75-01	100									
ERG75-02	200									
ERD27-10	1000	10 (T _c =80°C)	120	-40 to +125	1.65 (I _F =10A)	0.5 (T _j =25°C)	0.5	2.1	Power M5F	5.5
ERD77-10	1000	10	120	-40 to +125	1.65 (I _F =10A)	0.5 (T _j =25°C)	0.5	2.1	Power M5R	5.5
ERG27-10	1000	30 (T _c =70°C)	500	-40 to +125	1.65 (I _F =30A)	2.0 (T _j =25°C)	0.5	0.8	Power M8F	25
ERG77-10	1000	30	500	-40 to +125	1.65 (I _F =30A)	2.0 (T _j =25°C)	0.5	0.8	Power M8R	25

() 条件

*1 正弦波 10ms *2 V_R=V_{RRM}

*3 I_F=I_R=0.1A

() Conditions

*1 Sine wave, 10ms *2 V_R=V_{RRM}

*3 I_F=I_R=0.1A