



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	電気的特性 (Ta=25℃) Characteristics (Ta=25℃)				パッケージ Package	質 量 Net mass
	V _{RRM} Volts	I _O Amps.	I _{FSM} *1 Amps.	T _j and T _{stg} ℃	V _{FM} Max. Volts	I _{RRM} *2 Max. mA	trr *3 μ sec.	R _{th(j-c)} ℃/W		
ERD24-005	50	12 (Tc=82℃)	120	-40 to +140	1.3 (If=12A)	5 (Tj=140℃)	0.3	2.1	Power M5F	5.5
ERD24-01	100									
ERD24-02	200									
ERD24-04	400									
ERD24-06	600	12 (Tc=90℃)	120	-40 to +150	1.3 (If=12A)	5 (Tj=150℃)	0.3	2.1	Power M5F	5.5
ERD74-005	50	12 (Tc=82℃)	120	-40 to +140	1.3 (If=12A)	5 (Tj=140℃)	0.3	2.1	Power M5R	5.5
ERD74-01	100									
ERD74-02	200									
ERD74-04	400									
ERD74-06	600	12 (Tc=90℃)	120	-40 to +150	1.3 (If=12A)	5 (Tj=150℃)	0.3	2.1	Power M5R	5.5
ERE24-005	50	20 (Tc=84℃)	180	-40 to +140	1.3 (If=20A)	8 (Tj=140℃)	0.3	1.2	Power M6F	12
ERE24-01	100									
ERE24-02	200									
ERE24-04	400									
ERE24-06	600	30 (Tc=87℃)	180	-40 to +150	1.3 (If=30A)	15 (Tj=150℃)	0.3	1.2	Power M6F	12
ERE74-005	50	20 (Tc=84℃)	180	-40 to +140	1.3 (If=20A)	8 (Tj=140℃)	0.3	1.2	Power M6R	12
ERE74-01	100									
ERE74-02	200									
ERE74-04	400									
ERE74-06	600	30 (Tc=87℃)	180	-40 to +150	1.3 (If=30A)	15 (Tj=150℃)	0.3	1.2	Power M6R	12
ERG24-005	50	30 (Tc=87℃)	500	-40 to +140	1.3 (If=30A)	15 (Tj=140℃)	0.3	0.8	Power M8F	25
ERG24-01	100									
ERG24-02	200									
ERG24-04	400									
ERG74-005	50	30 (Tc=87℃)	500	-40 to +140	1.3 (If=30A)	15 (Tj=140℃)	0.3	0.8	Power M8R	25
ERG74-01	100									
ERG74-02	200									
ERG74-04	400									
ERD75-005	50	30 (Tc=98℃)	200	-40 to +150	0.95 (If=15A)	1.5 (Tj=150℃)	0.3	2.1	Power M5R	5.5
ERD75-01	100									
ERD75-02	200									
ERE75-005	50	30 (Tc=111℃)	350	-40 to +150	0.95 (If=30A)	3 (Tj=150℃)	0.3	1.2	Power M6R	12
ERE75-01	100									
ERE75-02	200									
ERG75-005	50	45 (Tc=111℃)	800	-40 to +150	0.95 (If=45A)	3 (Tj=150℃)	0.3	0.8	Power M8R	25
ERG75-01	100									
ERG75-02	200									
ERD27-10	1000	10 (Tc=80℃)	120	-40 to +125	1.65 (If=10A)	0.5 (Tj=25℃)	0.5	2.1	Power M5F	5.5
ERD77-10	1000	10	120	-40 to +125	1.65 (If=10A)	0.5 (Tj=25℃)	0.5	2.1	Power M5R	5.5
ERG27-10	1000	30 (Tc=70℃)	500	-40 to +125	1.65 (If=30A)	2.0 (Tj=25℃)	0.5	0.8	Power M8F	25
ERG77-10	1000	30	500	-40 to +125	1.65 (If=30A)	2.0 (Tj=25℃)	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