

Rectifiers

February 2005

TOSHIBA CORPORATION


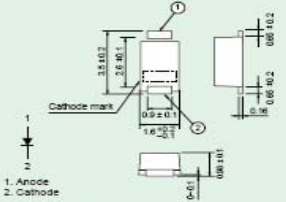

Semiconductor Company


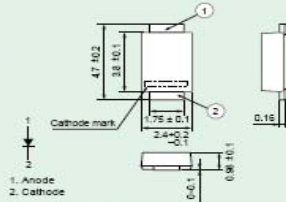

Discrete Semiconductor Division

5. Product Characteristics


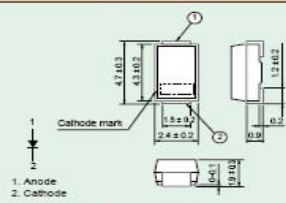

5.1 General-Purpose Rectifiers

▶▶ Single

S-FLAT™	Package Appearance	Package Dimensions (mm)	Marking					
	 Package Number ⑬	 1. Anode 2. Cathode	Example CRG01 					
	Part Number	Maximum Ratings				Electrical Characteristics (Max)		
	V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{FSM} (A)	T_j (°C)	T_{stg} (°C)	I_{RRM} (μA)	V_{FM} (V)	@ I_{FM} (A)
CRG01	100	0.7	15	-40 to 150	-40 to 150	10	1.1	0.7
CRG02	400	0.7	15	-40 to 150	-40 to 150	10	1.1	0.7
CRG03	400	1.0	15	-40 to 150	-40 to 150	10	1.1	0.7
CRG04	600	1.0	15	-40 to 150	-40 to 150	10	1.1	0.7
CRG05	800	1.0	15	-40 to 150	-40 to 150	10	1.1	0.7

M-FLAT™	Package Appearance	Package Dimensions (mm)	Marking					
	 Package Number ⑮	 1. Anode 2. Cathode	Example CMG02 					
	Part Number	Maximum Ratings				Electrical Characteristics (Max)		
	V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{FSM} (A)	T_j (°C)	T_{stg} (°C)	I_{RRM} (μA)	V_{FM} (V)	@ I_{FM} (A)
*CMC01	400	1.0	30	-40 to 150	-40 to 150	10	1.0	1.0
*CMC02	400	1.0	30	-40 to 150	-40 to 150	10	1.0	1.0
CMG02	400	2.0	80	-40 to 150	-40 to 150	10	1.1	2.0
CMG03	600	2.0	80	-40 to 150	-40 to 150	10	1.1	2.0

*: For strobe discharge circuit

I-FLAT™	Package Appearance	Package Dimensions (mm)	Marking					
	 Package Number ⑯	 1. Anode 2. Cathode	Example UIJC44 					
	Part Number	Maximum Ratings				Electrical Characteristics (Max)		
	V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{FSM} (A)	T_j (°C)	T_{stg} (°C)	I_{RRM} (μA)	V_{FM} (V)	@ I_{FM} (A)
U1BC44	100	1.0	30	-40 to 150	-40 to 150	10	1.2	1.0
U1GC44	400	1.0	30	-40 to 150	-40 to 150	10	1.2	1.0
*U1GC44S	400	1.0	30	-40 to 150	-40 to 150	10	1.0	1.0
U1JC44	600	1.0	30	-40 to 150	-40 to 150	10	1.2	1.0

*: For strobe charge circuit