

4 TRIACS

● Low and medium power

Type No.	Max. ratings				Electrical characteristics			Package outline	Remarks
	Repetitive peak off-voltage V_{ORM} (V)	Effective on-current I_T (RMS) (A)	Surge on-current I_{TSM} (A)	Junction temperature T_j (°C)	Gate trigger current I_{GT} (max) (mA)	Gate trigger voltage V_{GT} (max) (V)	Commuting critical rate-of-rise of off-state voltage (dv/dt) c (min) (V/μs)		
BCR08AS-8, 12 **	400, 600	0.8 ($T_a=40^\circ\text{C}$)	8	125	(I, II, III) 5 (IV) 10	(I, II, III, IV) 2	2	SOT-89*	
BCR1AM-8, 12	400, 600	1.0 ($T_c=56^\circ\text{C}$)	10	125	(I, II, III) 5 (IV) 10	(I, II, III, IV) 2	2	TO-92	
BCR3AS-8, 12	400, 600	3 ($T_c=110^\circ\text{C}$)	30	125	(I, II, III) 15	(I, II, III) 1.7	5	MP-3 *	
BCR3AM-8, 12	400, 600	3 ($T_c=86^\circ\text{C}$)	30	125	(I, II, III) 30	(I, II, III) 1.5	5	TO-202	
BCR3PM-8, 12	400, 600	3 ($T_c=103^\circ\text{C}$)	30	125	(I, II, III) 15	(I, II, III) 1.7	5	TO-220F	
BCR5AS-8, 12		5 ($T_c=103^\circ\text{C}$)	50	125	(I, II, III) 30	(I, II, III) 1.5	5	MP-3 *	
BCR5AM-8, 12	400, 600	5 ($T_c=103^\circ\text{C}$)	50	125	(I, II, III) 20	(I, II, III) 1.5	5*	TO-220	
BCR5PM-8, 12		5 ($T_c=95^\circ\text{C}$)	50	125	(I, II, III) 20	(I, II, III) 1.5	5*	TO-220F	
BCR6AM-8, 12	400, 600	6 ($T_c=103^\circ\text{C}$)	60	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220	
BCR8CM-8, 12	400, 600	8 ($T_c=105^\circ\text{C}$)	80	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220	
BCR8CS-8, 12	400, 600	8 ($T_c=105^\circ\text{C}$)	80	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220S *	
BCR8LM-8, 12	400, 600	8 ($T_c=94^\circ\text{C}$)	80	125	(I, II, III) 30	(I, II, III) 1.5	—	TO-220	Light dimmer
BCR8PM-8, 12	400, 600	8 ($T_c=88^\circ\text{C}$)	80	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220F	
BCR8PM-18, 20 *	900, 1000	8 ($T_c=88^\circ\text{C}$)	80	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220F	
BCR10CM-8, 12		10 ($T_c=103^\circ\text{C}$)	100	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220	
BCR10CS-8, 12		10 ($T_c=103^\circ\text{C}$)	100	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220S *	
BCR10LM-8, 12	400, 600	10 ($T_c=93^\circ\text{C}$)	100	125	(I, II, III) 30	(I, II, III) 1.5	—	TO-220	Light dimmer
BCR10PM-8, 12		10 ($T_c=85^\circ\text{C}$)	100	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220F	
BCR12CM-8, 12		12 ($T_c=98^\circ\text{C}$)	120	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220	
BCR12CS-8, 12		12 ($T_c=98^\circ\text{C}$)	120	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220S *	
BCR12LM-8, 12	400, 600	12 ($T_c=84^\circ\text{C}$)	120	125	(I, II, III) 30	(I, II, III) 1.5	—	TO-220	Light dimmer
BCR12PM-8, 12		12 ($T_c=74^\circ\text{C}$)	120	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220F	
BCR16CM-8, 12		16 ($T_c=100^\circ\text{C}$)	170	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220	
BCR16CS-8, 12		16 ($T_c=100^\circ\text{C}$)	170	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220S *	
BCR16LM-8, 12	400, 600	16 ($T_c=79^\circ\text{C}$)	170	125	(I, II, III) 30	(I, II, III) 1.5	—	TO-220	Light dimmer
BCR16PM-8, 12		16 ($T_c=71^\circ\text{C}$)	160	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220F	
BCR16A-8, 10								Flat base type	
BCR16B-8, 10	400, 500	16 ($T_c=99^\circ\text{C}$)	170	125	(I, II, III) 30	(I, II, III) 1.5	10*	Mounting plate type	
BCR16C-8, 10								Stud-type M6	
BCR16E-8, 10		16 ($T_b=71^\circ\text{C}$)						Insulated type	
BCR16HM-8, 12	400, 600	16 ($T_b=82^\circ\text{C}$)	170	125	(I, II, III) 30	(I, II, III) 1.5	10*	TAB terminal insulation type	
BCR20AM-8, 12 *	400, 600	20 ($T_c=105^\circ\text{C}$)	200	125	(I, II, III) 30	(I, II, III) 1.5	10*	TO-220	
BCR20A-8, 10								Flat base type	
BCR20B-8, 10	400, 500	20 ($T_c=98^\circ\text{C}$)	220	125	(I, II, III) 30	(I, II, III) 1.5	10*	Mounting plate type	
BCR20C-8, 10								Stud-type M6	
BCR20E-8, 10		20 ($T_b=64^\circ\text{C}$)						Insulated type	
BCR25A-8, 10	400, 500	25 ($T_c=92^\circ\text{C}$)	250	125	(I, III) 50	(I, II, III) 3.0	20*	Stud-type M6	
BCR25B-8, 10					(II) 75			Mounting plate type	
BCR25LM-8L, 12L *	400, 600	25 ($T_c=65^\circ\text{C}$)	250	125	(I, II, III) 35	(I, II, III) 1.5	15	TO-220	Light dimmer
BCR30AM-8, 12		30 ($T_c=70^\circ\text{C}$)	300	125	(I, II, III) 30	(I, II, III) 2.5	20*	TO-3P	
BCR30GM-8, 12	400, 600	30 ($T_b=60^\circ\text{C}$)	300	125	(I, II, III) 50	(I, II, III) 2.5	20*	TAB terminal insulation type	

※For surface mounting * 1 : For load only

● Heater control

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BCR3KM-8, 12 *	400, 600	3 ($T_c=111^\circ\text{C}$)	30	125	(I, II, III) 15 (10)	(I, II, III) 1.5	—	TO-220F	
BCR5KM-8, 12 *	400, 600	5 ($T_c=103^\circ\text{C}$)	50	125	(I, II, III) 15 (10)	(I, II, III) 1.5	—	TO-220F	