

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/ μ s) | | |
| 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

| 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/ μ s) | | |
| 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 | |