

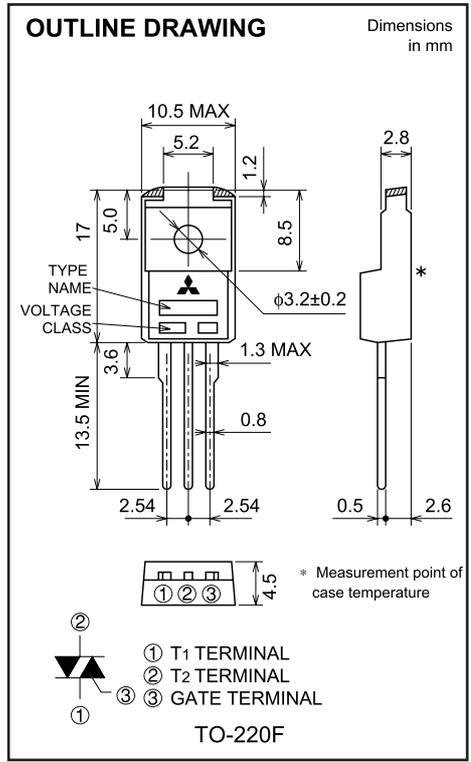
BCR8PM

MEDIUM POWER USE
INSULATED TYPE, PLANAR PASSIVATION TYPE

BCR8PM



- **IT (RMS)** **8A**
- **VDRM** **400V/600V**
- **IFGT I , IRGT I , IRGT III** **30mA (20mA) *5**
- **Viso**..... **1500V**
- **UL Recognized: File No. E80276**



APPLICATION

Switching mode power supply, light dimmer, electric flasher unit, control of household equipment such as TV sets · stereo · refrigerator · washing machine · infrared kotatsu · carpet, solenoid drivers, small motor control, copying machine, electric tool, other general purpose control applications

MAXIMUM RATINGS

Symbol	Parameter	Voltage class		Unit
		8	12	
VDRM	Repetitive peak off-state voltage*1	400	600	V
VDSM	Non-repetitive peak off-state voltage*1	500	720	V

Symbol	Parameter	Conditions	Ratings	Unit
IT (RMS)	RMS on-state current	Commercial frequency, sine full wave 360° conduction, Tc=88°C	8	A
ITSM	Surge on-state current	60Hz sinewave 1 full cycle, peak value, non-repetitive	80	A
I ² t	I ² t for fusing	Value corresponding to 1 cycle of half wave 60Hz, surge on-state current	26	A ² s
PGM	Peak gate power dissipation		5	W
PG (AV)	Average gate power dissipation		0.5	W
VGM	Peak gate voltage		10	V
IGM	Peak gate current		2	A
Tj	Junction temperature		-40 ~ +125	°C
Tstg	Storage temperature		-40 ~ +125	°C
—	Weight	Typical value	2.0	g
Viso	Isolation voltage	Ta=25°C, AC 1 minute, T1 · T2 · G terminal to case	1500	V

*1. Gate open.