Electrical Characteristics

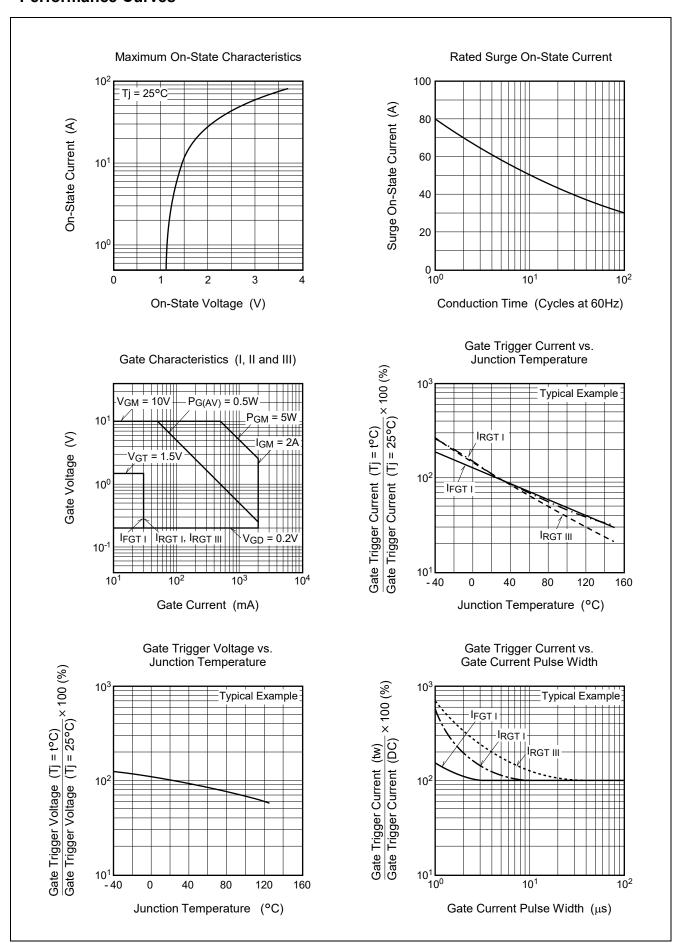
Parameter		Symbol	Min.	Тур.	Max.	Unit	Test conditions
Repetitive peak off-state current		I _{DRM}	_	_	2.0	mA	Tj = 125°C, V _{DRM} applied
On-state voltage		V_{TM}	_	_	1.6	V	Tc = 25°C, I _{TM} = 12 A,
							instantaneous measurement
Gate trigger voltage ^{Note2}	I	V _{FGTI}	_	_	1.5	V	Tj = 25°C, V_D = 6 V, R_L = 6 Ω,
	II	V_{RGTI}	_	_	1.5	V	$R_G = 330 \Omega$
	III	V _{RGTIII}	_	_	1.5	V	
Gate trigger current ^{Note2}	I	I _{FGTI}	_	_	30	mA	Tj = 25°C, V_D = 6 V, R_L = 6 Ω,
	II	I _{RGTI}	_	_	30	mA	$R_G = 330 \Omega$
	III	I _{RGTIII}	_	_	30	mA	
Gate non-trigger voltage		V_{GD}	0.2	_	_	V	Tj = 125°C, V _D = 1/2 V _{DRM}
Thermal resistance		R _{th (j-c)}	_	_	2.7	°C/W	Junction to case ^{Note3}
Critical-rate of rise of off-state commutating voltage ^{Note4}		(dv/dt)c	10	_	_	V/μs	Tj = 125°C

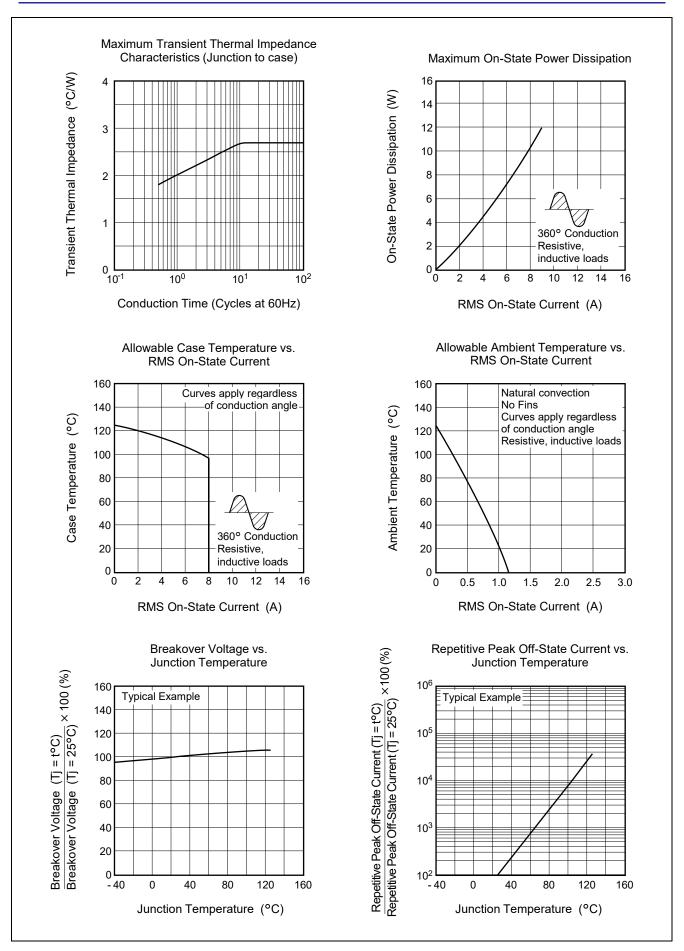
Notes: 2. Measurement using the gate trigger characteristics measurement circuit.

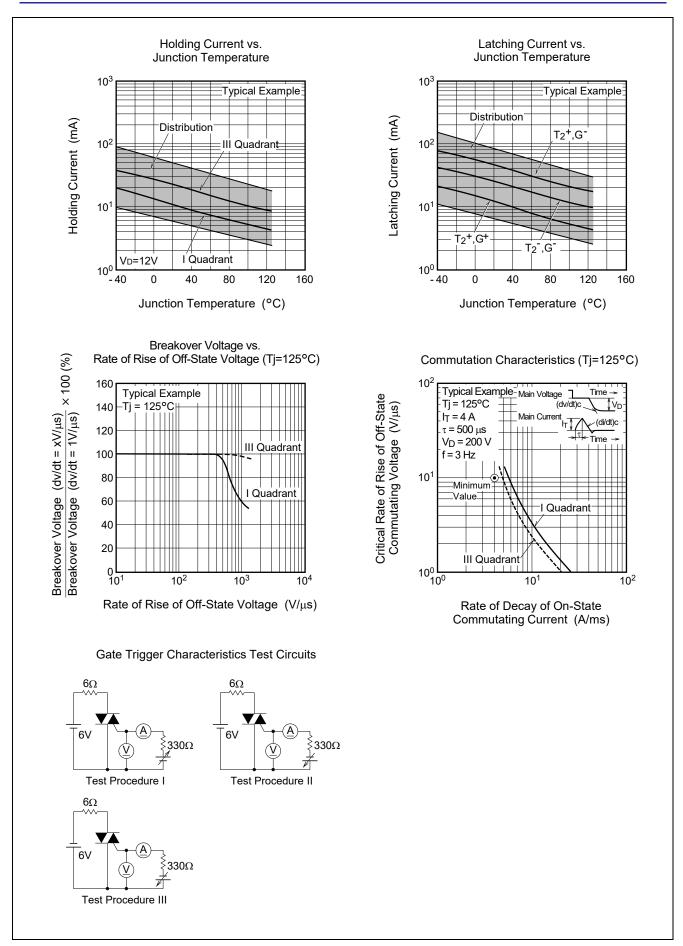
- 3. Case temperature is measured on the T_2 tab.
- 4. Test conditions of the critical-rate of rise of off-state commutating voltage is shown in the table below.

Test conditions	Commutating voltage and current waveforms (inductive load)			
 Junction temperature Tj = 125°C Rate of decay of on-state commutating current (di/dt)c = -4.0 A/ms Peak off-state voltage V_D = 400 V 	Supply Voltage Main Current Main Voltage (di/dt)c Time Main Voltage (dv/dt)c			

Performance Curves

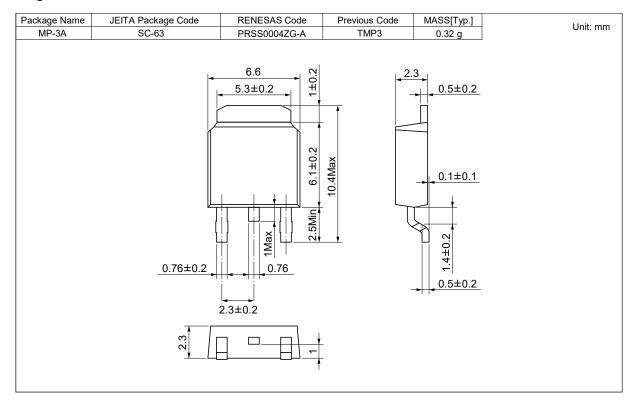






Package Dimensions

Package Name: MP-3A



Ordering Information

Orderable Part Number	Package	Packing Note5	Quantity	Remark	
BCR8AS14LJ-T13#B01	MP-3A	Embossed tape	3000 pcs.		
BCR8AS-14LJ#B01	MP-3A	Tube	75 pcs.	Tube packing is to be abolished.	

Note: 5. Please confirm the specification about the shipping in detail.

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