

Typical applications are in switching power supplies, converters, automotive, freewheeling diodes, and reverse battery protection.

: Tin plated leads, solderable per J-STD-002 and JESD22-B102
: As marked

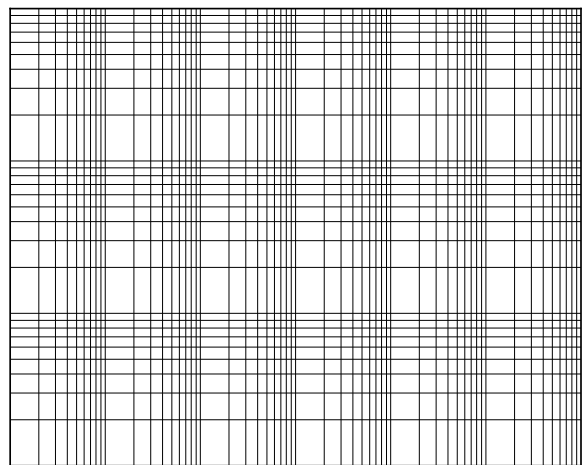
($T_a=25$ Unless otherwise specified)

Device marking code			MBR6200P5C
Repetitive peak reverse voltage	V_{RRM}	V	200
Average Rectified Output Current @60Hz -sine wave, $T_c=155$	I_O	A	6
Forward Surge Current (Non-repetitive) @60Hz 8.3ms half-sine wave, 1 cycle, $T_a=25$	I_{FSM}	A	80

$T_a=25$ Unless otherwise specified

Instantaneous	$I_F=3A$	$T_J=25$	0.82	0.9	
	$I_F=3A$	$T_J=125$			0.75
Typical junction capacitance per diode	C_J	pF	$V_R=4V, f=1\text{ MHz}$		60
Instantaneous reverse current per diode	I_R	uA	$V_R=200V$	$T_J=25$	-
				$T_J=125$	-
					1
					150

v&K D U D F W H U L S W F L D F O V





($T_a=25$ Unless otherwise specified)

Typical thermal resistance per diode	R_{J-A}	/W	55 ⁽¹⁾
	R_{J-C}	/W	3.5 ⁽²⁾

Note:

- (1) Thermal resistance between junction and ambient mounted on P.C.B with 25.4mm*25.4mm copper pad areas.
- (2) Thermal resistance between junction and case.

(Example)

MBR6200P5CQ	Approximate 0.105	5000	10000	100000	13" reel



Note:

1. All marking is at middle of the product body
2. All marking is in laser printing
3. XXXXXX is marking code, like MBR6200P5CQ marking code is MBR6200P5C
4. Body color: Black
5. YYWW is date code, "YY" is year. "WW" is week.

For instance:

- The 17th week of 2022, date code is 2217
- The 17th week of 2023, date code is 2317



Suggested Pad Layout

Note:

