

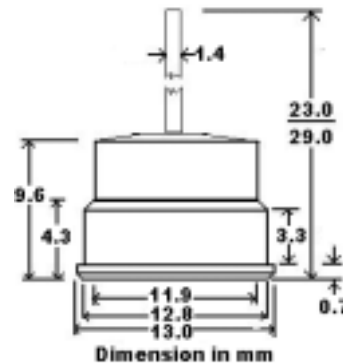
PBFR5023~43P/N

DESCRIPTION



BOSCH TYPE PRESS-FIT

MECHANICAL DIMENSIONS



Features

- Low Cost
- Super Cool
- Long life Features
- High Current Capability

NOTE:

- 1.PBFR5023P Positive(Forward),(+) Cathode To Case, Color Code Red
- 2.PBFR5023N Negative(Reverse),(-) Anode To Case,Color Code Black

Electrical Characteristics@25C	Symbol	PBFR5023P PBFR5023N	PBFR5035P PBFR5035N	PBFR5043P PBFR5043N	Unit
Average Forward Current, I_o at $T_c=150C$ 60HZ, Resistive Or Inductive Load	IF	50			A(DC)
BREAKDOWN VOLTAGE(1) AVALANCHE M(IR=100mADC, $T_c=25C$) PULSE TEST:PULAE WIDTH<=30uS, DUTY CYCLE<=2.0%	VBR	20~26	24~32	39~47	V(DC)
Max. Inst Forward Voltage Drop. VF at 100Amp	VF	1.18			V
Peak Forward Surge Current, IFM(surge): 8.3ms. Single Half Sine-Wave Superimposed On Rated Load (JEDEC method)	IFSM	600			A
Maximum Reverse Current IR At Rated DC Reverse Voltage=16/20/33. TC= 25C	IR	0.2			uA
Maximum Reverse Current IR At Rated DC Reverse Voltage=16/20/33. TC=100C	IR	200			uA
Maximum Thermal Resistance, Junction To Case (single side cooled)	$R_{\theta JA}$	1.5			C/W
Operating And Storage Temperature Range	T_j ; T_{strg}	-65 to +175			C