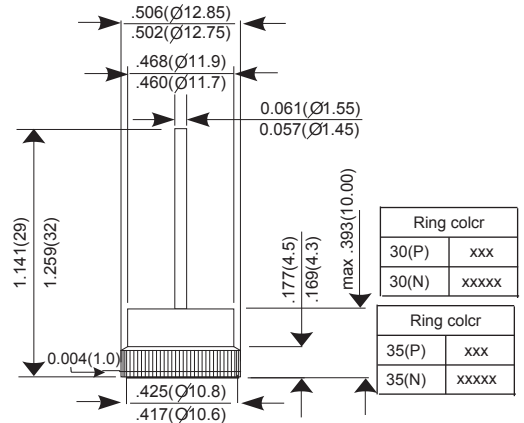


### Features

- ★ Low forward voltage drop
- ★ High current capability
- ★ High reliability
- ★ High surge current capability

### Mechanical Data

- ★ Case: Bosch Type OFC Heat Sink
- ★ Encapsulation: Epoxy Sealed Rated UL94V-0
- ★ Glass Passivated Auto Rectifier
- ★ P type Plastic Ring --Red color
- ★ N type Plastic Ring --Green color
- ★ Weight: 6.90 gram



Dimensions in inches and (millimeters)

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Type Number	SYMBOL	PBFR7043P/N	PBFR7050P/N	Units
Peak Repetitive Reverse Voltage@Irrm=100mA	VRRM	38-47	47-52	V
Maximum RMS Voltage	VRMS	30	35	V
Maximum DC Blocking Voltage(TA=25°C)	VB	30	35	V
Average Forward Current Io@Tc=175°C 60 Hz, resistive or inductive load	I(AV)	70		A
Peak Forward Surge Current, 8.3ms single Half sine-wave superimposed on rated load (JEDEC method)	IFSM	800		A
Maximum Inst. Forward Voltage Drop, IF at 100 Amp	VF	1.2		V
Maximum DC Reverse Current @Tc=25°C At Rated DC Blocking Voltage @Tc=100°C	IR	0.2 200		uA uA
Operating Junction and Storage Temperature Range TJ, TSTG	TJ, TSTG	- 65 to + 175		°C



# 70 Amp Glass Passivated AVALANCH BOSCH PRESS-FIT

## RATINGS AND CHARACTERISTIC CURVES PBFR7030P/N THRU PBFR7035P/N

FIG.1 - FORWARD CURRENT DERATING CURVE

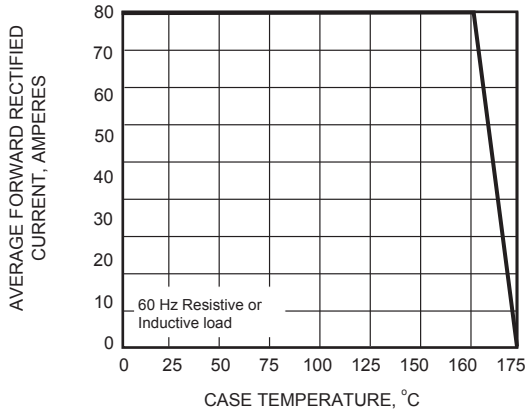


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

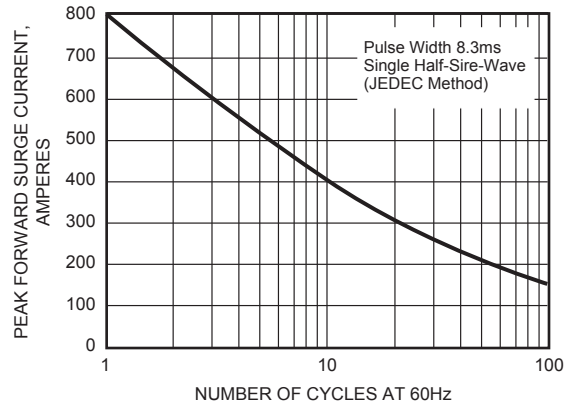


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

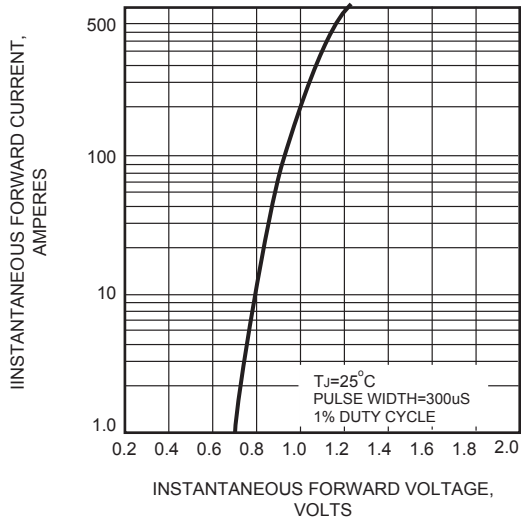


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

