



PD3502P(N) thru PD3506P(N)

GLASS PASSIVATED AUTO RECTIFIERS	REVERSE VOLTAGE -200 to 600Volts FORWARD CURRENT -35 Amperes						
FEATURES ● Low forward volage drop ● High current capability ● High reliability ● High surge current capability MECHANICAL ● Case: OFC Heat Sink ● Encap:Epoxy Sealed Rated UL94V-0 ● Weight: 7.05gram	PRESS-FIT <table border="1"> <tr> <th align="center" colspan="2">Ring color</th></tr> <tr> <td align="center">P</td><td align="center">Black</td></tr> <tr> <td align="center">N</td><td align="center">Brown</td></tr> </table> Dimensions in inches and (millimeters)	Ring color		P	Black	N	Brown
Ring color							
P	Black						
N	Brown						

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS					
Rating at 25°C unless otherwise specified.					
Single phase,half wave,60HZ,resistive or inductive load .					
For capacitive load,deraaate current by 20%					
CHARACTERISTICS	SYMBOL MARKING	PD3502P(N)	PD3504P(N)	PD3506P(N)	UNIT
		3502	3504	3506	
Maximum Peak Repetitive Reverse Voltage @Irrm=10uA	VRRM	200	400	600	V
Maximum RMS Voltage	VRMS	140	280	420	V
Maximum DC Blocking Voltage (TA=25°C)	VB	200	400	600	V
Maximum Average Forward Current Io@Tc=150°C 60Hz,resistive or inductive load	I(AV)	35			A
Peak Forward Surage Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	450			A
Maximum Inst. Forward Voltage Drop, If at 80Amp	VF	1.1			V
Maximum DC Reverse Current (VB)@TJ=25°C At Rated DC Bolcking Voltage (VB)@TJ=175°C	IR	10 500			uA
Operating Temperature Range	TJ	-40to+175			°C
Storage Temperature Range	TSTG	-40to+175			°C

RATING AND CHARACTERISTIC CURVES

PD3502P(N) thru PD3506P(N)



FIG.1-FORWARD CURRENT
DERATING CURVE

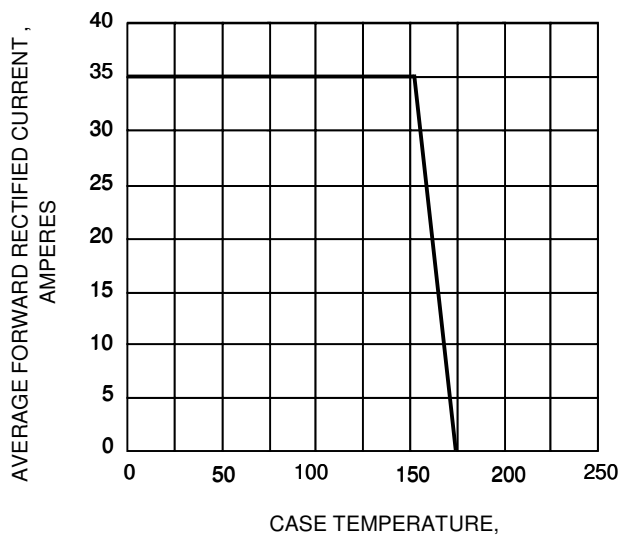


FIG.2-MAXIMUM NON-RETETITIVE PEAK
FORWARD SURGE CURRENT

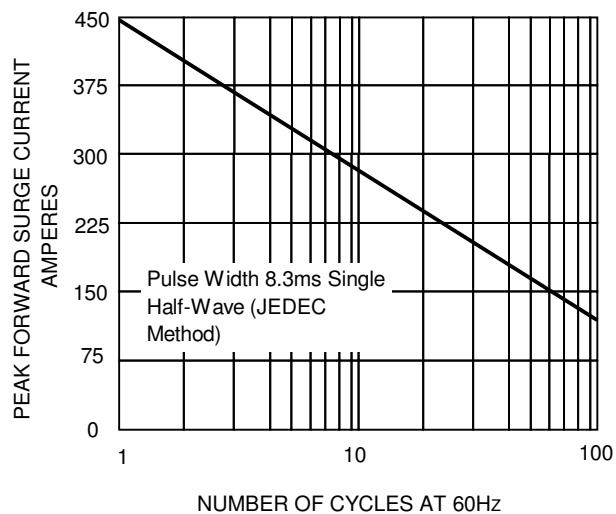


FIG.3 -TYPICAL INSTANTANEOUS FORWARD
CHARACTERISTICS

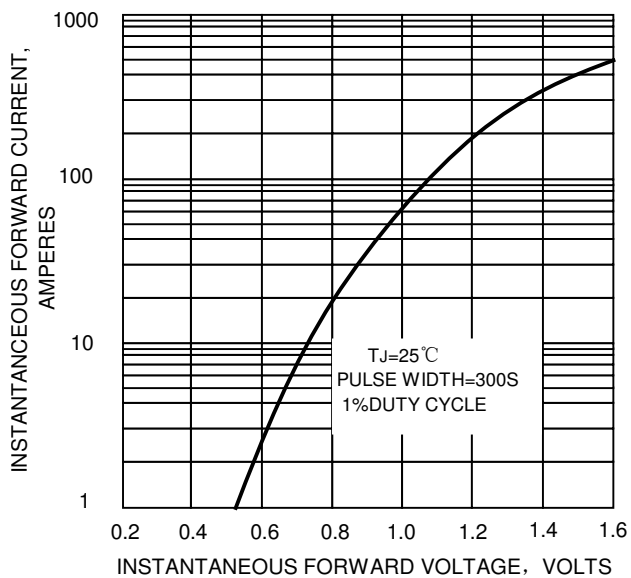


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

