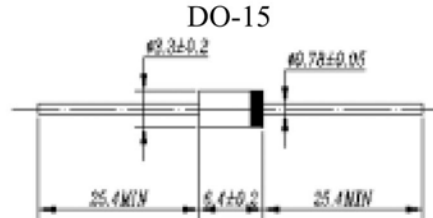




EGP20A THRU EGP20G HIGH EFFICIENCY RECTIFIER

1. Dimensions of outlines Unit: mm



2. Maximum Ratings

TYPE NUMBER	Symbols	Units	EGP 20A	EGP 20B	EGP 20C	EGP 20D	EGP 20F	EGP 20G
Maximum repetitive peak reverse voltage	V_{RRM}	V	50	100	150	200	300	400
Maximum RMS voltage	V_{RMS}	V	35	70	105	140	210	280
Maximum DC blocking voltage	V_{DC}	V	50	100	150	200	300	400
Maximum average forward rectified current 9.5mm lead length at $T_A=55^\circ\text{C}$	$I_{F(AV)}$	A	2.0					
Peak Forward Surge Current, 8.3ms single half-wave superimposed on rated load (JEDEC method)	I_{FSM}	A	30					
Operating junction temperature range	T_J	$^\circ\text{C}$	-65to+125					
Storage temperature range	T_{stg}	$^\circ\text{C}$	-65to+150					

3. Electrical Characteristics ($T_a=25^\circ\text{C}$ unless otherwise specified)

TYPE NUMBER	Symbols	Units	EGP20A	EGP20B	EGP20C	EGP20D	EGP20F	EGP20G
Maximum instantaneous forward voltage at 2.0A	V_F	V	0.95				1.3	
Maximum DC reverse current at rated DC blocking voltage	$T_a=25^\circ\text{C}$	I_{R1}	μA	5.0				
	$T_a=100^\circ\text{C}$	I_{R2}	μA	100.0				
Maximum reverse recovery time (test conditions: $I_F=0.5\text{A}$, $I_R=1.0\text{A}$, $IRR=0.25\text{A}$)	T_{rr}	nS	50					