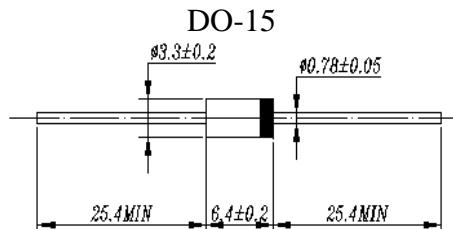


HIGH EFFICIENCY RECTIFIER

EGP20A THRU EGP20G

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°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					75	
Operating junction temperature range	T _J	°C				-65 to +125		
Storage temperature range	T _{stg}	°C				-65 to +150		

3. Electronical Characteristics (Ta=25°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			1.25	1.3
Maximum DC reverse current at rated DC blocking voltage	Ta=25°C	I _{R1}	µA			5.0.		
	Ta=100°C	I _{R2}	µA			100.0		
Maximum reverse recovery time(test conditions: IF=0.5A, IR=1.0A, IRR=0.25A)	T _{rr}	nS				50		