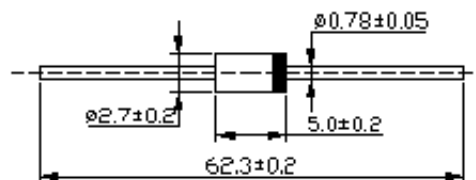


HIGH EFFICIENCY RECTIFIER

EGP10A THRU EGP10G

1.Dimensions of outlines Unit:mm

DO-41



2.Maximum Ratings

TYPE NUMBER	Symbols	Units	EGP 10A	EGP 10B	EGP 10C	EGP 10D	EGP 10F	EGP 10G
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 $T_A=55^{\circ}C$	$I_{F(AV)}$	A	1.0					
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	$^{\circ}C$	-65to+125					
Storage temperature range	T_{stg}	$^{\circ}C$	-65to+150					

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

TYPE NUMBER		Symbols	Units	EGP10A	EGP10B	EGP10C	EGP10D	EGP10F	EGP10G
Maximum instantaneous forward voltage at1.0A		V _F	V	0.95				1.3	
Maximum DC reverse current at rated DC blocking voltage	Ta=25℃	I _{R1}	μ A	5.0.					
	Ta=100℃	I _{R2}	μ A	100.0					
Maximum reverse recovery time(test conditions: IF=0.5A, IR=1.0A, IRR=0.25A)		T _{rr}	nS	50					