

Ultrafast Recovery Rectifier

DE3L40

• Low Fo • Low Lea • 150℃ • Minimu	ES at Recovery Time rward Voltage akage Current Operating Junction Temperature m Lot-to-Lot variations for robust de nance and reliable operation	2 3 DPAK TO-252 package	2		
• Powe • DC/D	TIONS thing power supplies er switching circuits C converter TE MAXIMUM RATINGS(Ta=25°C) PARAMETER	VALUE	UNIT	0.0 1.0 2.8 7.1 8.00±0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
Vrrm Vrwm Vr	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	400	V	1.00 1.00 2-R0.20	
I _{F(AV)}	Average Rectified Forward Current (Rated V_R)	3	A		
I _{FSM}	Peak Surge Forward Current	50	A	0.50	
TJ	Junction Temperature	-65~150	°C	0.05±0.05	
T _{stg}	Storage Temperature Range	-65~150	°C	10.00±0.2 0°~3.0° 0.50	



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THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	МАХ	UNIT
R _{th j-c}	Thermal Resistance,Junction to Case		°C /W

ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	МАХ	UNIT
VF*	Maximum Instantaneous Forward Voltage	I⊧= 3A ,Tc=25℃	1.3	V
I _R	Maximum Instantaneous Reverse Current	V _{RRM} = 400V,Tc=25℃	10	uA
trr	Maximum Reverse Recovery Time	I _F =0.5A, I _R =1A	50	nS

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