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Solid State Devices, Inc.

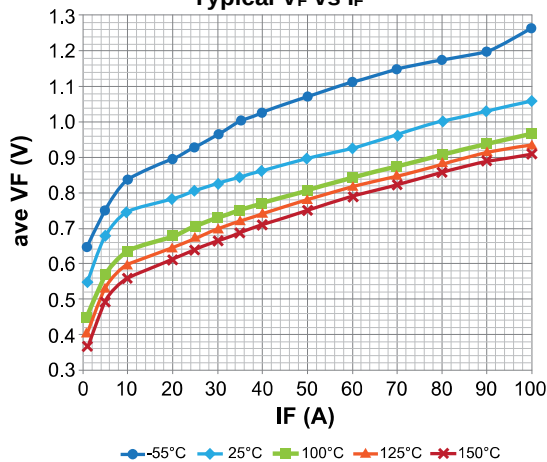
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SED20HB100, SED20HE100 SED20HB150, SED20HE150

ELECTRICAL CHARACTERISTICS		Symbol	Typical	Maximum	Unit
Instantaneous Forward Voltage Drop ($I_F = 1 A_{DC}$, 300 - 500 μ sec pulse)	$T_A = -55^\circ C$	V_{F1}	0.65	-	V_{DC}
	$T_A = 25^\circ C$	V_{F2}	0.55	0.60	
	$T_A = 125^\circ C$	V_{F3}	0.41	0.46	
Instantaneous Forward Voltage Drop ($I_F = 5 A_{DC}$, 300 - 500 μ sec pulse)	$T_A = -55^\circ C$	V_{F4}	0.76	-	V_{DC}
	$T_A = 25^\circ C$	V_{F5}	0.68	0.75	
	$T_A = 125^\circ C$	V_{F6}	0.53	0.60	
Instantaneous Forward Voltage Drop ($I_F = 10 A_{DC}$, 300 - 500 μ sec pulse)	$T_A = -55^\circ C$	V_{F7}	0.85	-	V_{DC}
	$T_A = 25^\circ C$	V_{F8}	0.75	0.82	
	$T_A = 125^\circ C$	V_{F9}	0.60	0.67	
Instantaneous Forward Voltage Drop ($I_F = 20 A_{DC}$, 300 - 500 μ sec pulse)	$T_A = -55^\circ C$	V_{F10}	0.91	-	V_{DC}
	$T_A = 25^\circ C$	V_{F11}	0.79	0.87	
	$T_A = 125^\circ C$	V_{F12}	0.65	0.73	
Reverse Leakage Current (Rated V_R , $T_A = 25^\circ C$, 300 μ sec pulse minimum)	SED20H_100	I_{R1}	0.2	5	μA
	SED20H_150		5.0	50	
Reverse Leakage Current (Rated V_R , $T_A = +125^\circ C$, 300 μ sec pulse minimum)	SED20H_100	I_{R2}	150	750	μA
	SED20H_150		500	2500	
Reverse Leakage Current (Rated V_R , $T_A = +150^\circ C$, 300 μ sec pulse minimum)	SED20H_100	I_{R3}	0.75	-	mA
	SED20H_150		2.50	-	
Junction Capacitance ($f = 1$ MHz, $T_A = 25^\circ C$)	$V_R = 5$ V	C_J	460	-	pF
	$V_R = 10$ V		335	400	

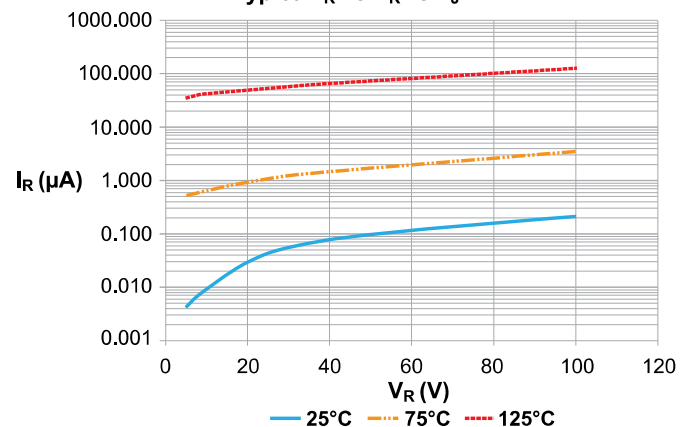
SED20HE100

Typical V_F vs I_F



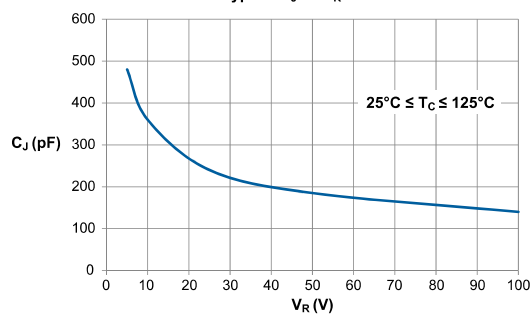
SED20HE100

Typical I_R vs V_R vs T_J



SED20HE100

Typical C_J vs V_R



NOTE: All specifications are subject to change without notification.
SSDI's for these devices should be reviewed by SSDI prior to release.

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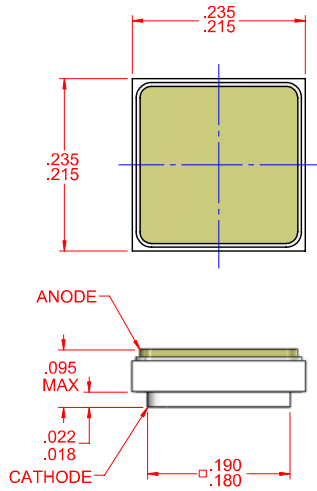


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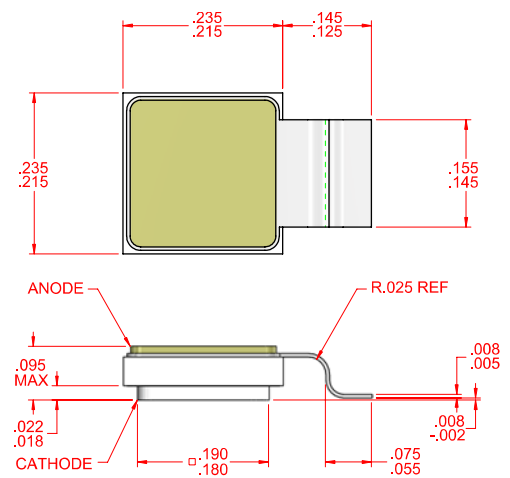
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**CASE OUTLINE:
Sedpack 1 (HB)**



**CASE OUTLINE:
Sedpack 1 (HE)**



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