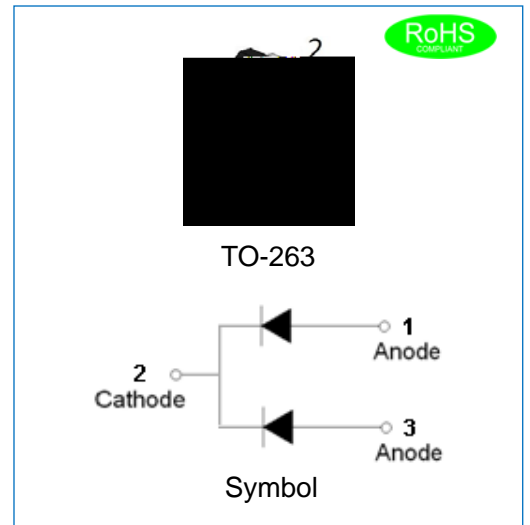




Plastic package has underwriters laboratories flammability classification 94V-0
 For surface mounted applications in order to optimize board space
 Lead free in compliance with EU RoHS 2011/65/EU directive
 Low forward voltage drop
 Low power losses, high efficiency operation
 High current capability and surge capability

Case: TO-263 molded plastic
 Terminals: Solder plated, solderable per J-STD-002



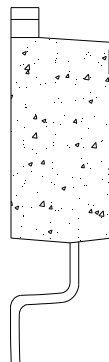
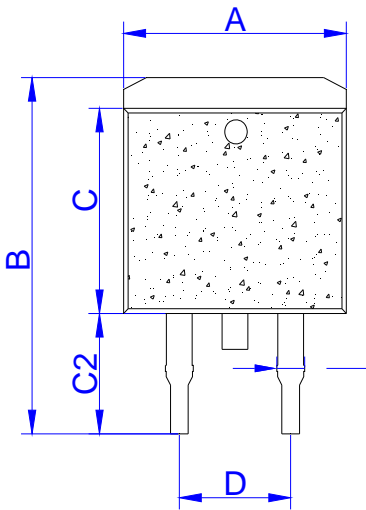
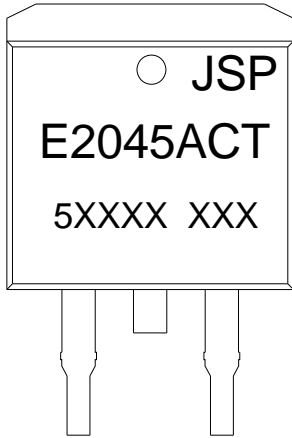
(Rating at 25 °C ambient temperature unless otherwise specified.)

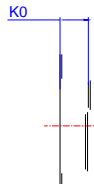
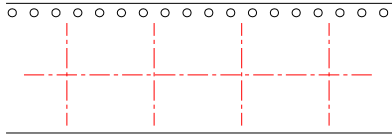
	RMS	32	V
Maximum DC blocking voltage	V_{DC}	45	V
Average forward current	$I_{F(AV)}$	20	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	150	A
Operating junction temperature range	T_j	-55 to +125	
Storage temperature range	T_{stg}	-55 to +150	

(Rating at 25 °C ambient temperature unless otherwise specified.)

Forward voltage	$I_F=10A$	V_F	-	-	0.65	V
Reverse current	$V_R=45V, T_A=25$	I_R	-	-	0.1	mA
	$V_R=45V, T_A=100$		-	-	40	
Junction capacitance	$V_R=4.0V, f=1MHz$	C_J	-	700	-	pF

$R_{th(j-c)}$	Thermal resistances from junction to case	2.0	/W
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