

ES2AA~ES2DA SUPER FAST RECOVERY RECTIFIER

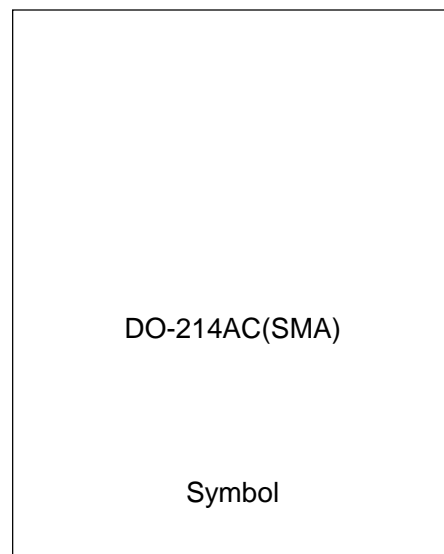
Rev.2.5

DESCRIPTION:

- Plastic package has underwriters laboratory flammability classification 94V-0
- For surface mounted applications in order to optimize board space
- Glass passivated chip junction
- Lead free in comply with EU RoHS 2011/65/EU directives
- Super fast recovery time

MECHANICAL DATA

- Case: JEDEC DO-214AC molded plastic
- Terminals: Solder plated, solderable per J-STD-002
- Polarity: Color band denotes cathode end
- Weight: 0.06599 gram



ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

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

Parameter	Symbol	ES2AA	ES2BA	ES2DA	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	V
Maximum RMS voltage	V_{RMS}	35	70	140	V
Maximum DC blocking voltage	V_{DC}	50	100	200	V
Maximum average forward current at $T_L=110$	$I_{F(AV)}$	2.0			A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50			A
Maximum forward voltage @ $I_F=2.0A$	V_F	0.95			V
Maximum DC reverse current at rated DC blocking voltage	$T_j=25$	5.0			A
	$T_j=150$	300			
Typical junction capacitance $V_R=4.0V, f=1MHz$	C_J	30			pF
Operating junction and storage temperature range	T_j, T_{stg}	-55 to +150			
$I_R=1A, I_{rr}=0.25A$	t_{rr}	35			V_{Fj} ns
			=0.5A, I		

TAPE AND REEL SPECIFICATION-SMA

