

SMB	305)	Fla Fo Lo Bu Hin 25	ammal or surfa w reve uilt-in s gh forv gh tem 0°C/10	tic pac bility C ace mo erse le train re ward s	kage o lassific ounted akage elief,id urge c ure sol nds at	cation applic eal for urrent dering termin	- Under 94V-0 ations autom capabi guarar als	ated pla	Laboratory acement
0.066(2.44) 0.064(2.13) 0.060(1.52) 0.030(0.76) 0.000(0.203)MAX. 0.000(0.203)MAX. 0.2205(5.21)		Te M Po M	ermina ethod olarity ountir	EDEC als: lea 2026 r: Color ng Pos	SMB r ids sol r band <b>sition</b> :	noldec derabl denot Any	e per N	– c body MIL-STD node end	,
Dimensions in inches and (millimeters) MAXIMUM RATINGS A Ratings at 25°C ambient temperature unless otherwise	specified.						S		
MAXIMUM RATINGS A Ratings at 25°C ambient temperature unless otherwise Single phase half-wave 60Hz,resistive or inductive load	specified.	ve load	current	derate	by 20%	%. I		ES3.I	UNITS
MAXIMUM RATINGS A Ratings at 25°C ambient temperature unless otherwise Single phase half-wave 60Hz,resistive or inductive load Catalog Number	specified. ,for capacitiv SYMBOLS	ve load	current	derate	by 20%	%. ES3E	ES3G	ES3J	
MAXIMUM RATINGS A Ratings at 25°C ambient temperature unless otherwise Single phase half-wave 60Hz,resistive or inductive load Catalog Number Maximum repetitive peak reverse voltage	specified. ,for capacitiv <i>SYMBOLS</i>	ve load ES3A 50	current ES3B 100	ederate ES3C 150	by 20%	%. <b>ES3E</b> 300	<b>ES3G</b> 400	600	VOLTS
MAXIMUM RATINGS A Ratings at 25°C ambient temperature unless otherwise Single phase half-wave 60Hz,resistive or inductive load Catalog Number Maximum repetitive peak reverse voltage Maximum RMS voltage	specified. ,for capacitiv <i>SYMBOLS</i> VRRM VRMS	ve load <b>ES3A</b> 50 35	current ES3B 100 70	derate <b>ES3C</b> 150 105	by 209 ES3D 200 140	%. <b>ES3E</b> 300 210	<b>ES3G</b> 400 280	600 420	VOLTS VOLTS
MAXIMUM RATINGS A Ratings at 25°C ambient temperature unless otherwise Single phase half-wave 60Hz,resistive or inductive load Catalog Number Maximum repetitive peak reverse voltage	specified. ,for capacitiv <i>SYMBOLS</i>	ve load ES3A 50	current ES3B 100	ederate ES3C 150	by 20%	%. <b>ES3E</b> 300	<b>ES3G</b> 400	600	VOLTS
MAXIMUM RATINGS A         Ratings at 25°C ambient temperature unless otherwise         Single phase half-wave 60Hz, resistive or inductive load         Catalog Number         Maximum repetitive peak reverse voltage         Maximum RMS voltage         Maximum DC blocking voltage         Maximum average forward rectified current	specified. ,for capacitiv SYMBOLS VRRM VRMS VDC	ve load <b>ES3A</b> 50 35	current ES3B 100 70	derate <b>ES3C</b> 150 105	by 209 <b>ES3D</b> 200 140 200	%. <b>ES3E</b> 300 210	<b>ES3G</b> 400 280	600 420	VOLTS VOLTS VOLTS
MAXIMUM RATINGS A         Ratings at 25°C ambient temperature unless otherwise         Single phase half-wave 60Hz, resistive or inductive load         Catalog Number         Maximum repetitive peak reverse voltage         Maximum RMS voltage         Maximum DC blocking voltage         Maximum average forward rectified current         at TL=75°C         Peak forward surge current         8.3ms single half sine-wave superimposed on	specified. for capacitiv SYMBOLS VRRM VRMS VDC I(AV)	ve load <b>ES3A</b> 50 35	current ES3B 100 70 100	derate <b>ES3C</b> 150 105	by 209 <b>ES3D</b> 200 140 200 3.0	%. <b>ES3E</b> 300 210	<b>ES3G</b> 400 280 400	600 420	VOLTS VOLTS VOLTS Amps
MAXIMUM RATINGS A         Ratings at 25°C ambient temperature unless otherwise         Single phase half-wave 60Hz, resistive or inductive load         Catalog Number         Maximum repetitive peak reverse voltage         Maximum RMS voltage         Maximum DC blocking voltage         Maximum average forward rectified current         at TL=75°C         Peak forward surge current         8.3ms single half sine-wave superimposed on         rated load (JEDEC Method)         Maximum DC reverse current         Maximum DC reverse current         TA=25°C	specified. for capacitiv SYMBOLS VRRM VRMS VDC I(AV)	ve load <b>ES3A</b> 50 35	current ES3B 100 70 100	e derate <b>ES3C</b> 150 105 150	by 209 <b>ES3D</b> 200 140 200 3.0	%. <b>ES3E</b> 300 210 300	<b>ES3G</b> 400 280 400	600 420 600	VOLTS VOLTS VOLTS Amps Amps
MAXIMUM RATINGS A         Ratings at 25°C ambient temperature unless otherwise         Single phase half-wave 60Hz, resistive or inductive load         Catalog Number         Maximum repetitive peak reverse voltage         Maximum RMS voltage         Maximum DC blocking voltage         Maximum average forward rectified current         at TL=75°C         Peak forward surge current         8.3ms single half sine-wave superimposed on         rated load (JEDEC Method)         Maximum DC reverse current         TA=25°C         at rated DC blocking voltage         TA=100°C	Specified. ,for capacitiv SYMBOLS VRRM VRMS VDC I(AV) IFSM VF IR	ve load <b>ES3A</b> 50 35	current ES3B 100 70 100	e derate <b>ES3C</b> 150 105 150	by 209 <b>ES3D</b> 200 140 200 3.0 100.0 5.0 100.0	%. <b>ES3E</b> 300 210 300	<b>ES3G</b> 400 280 400	600 420 600	VOLTS VOLTS VOLTS Amps Amps Volts
MAXIMUM RATINGS A         Ratings at 25°C ambient temperature unless otherwise         Single phase half-wave 60Hz,resistive or inductive load         Catalog Number         Maximum repetitive peak reverse voltage         Maximum RMS voltage         Maximum DC blocking voltage         Maximum average forward rectified current at TL=75°C         Peak forward surge current         8.3ms single half sine-wave superimposed on rated load (JEDEC Method)         Maximum DC reverse current       TA=25°C at rated DC blocking voltage         Maximum reverse recovery time       (NOTE 1)	specified. for capacitiv SYMBOLS VRRM VRMS VDC I(AV) IFSM VF IR trr	ve load <b>ES3A</b> 50 35	current ES3B 100 70 100	e derate <b>ES3C</b> 150 105 150	by 209 <b>ES3D</b> 200 140 200 3.0 100.0 5.0 100.0 35	%. <b>ES3E</b> 300 210 300	<b>ES3G</b> 400 280 400	600 420 600	VOLTS VOLTS VOLTS Amps Amps Volts µA ns
MAXIMUM RATINGS A         Ratings at 25°C ambient temperature unless otherwise Single phase half-wave 60Hz,resistive or inductive load         Catalog Number         Maximum repetitive peak reverse voltage         Maximum RMS voltage         Maximum DC blocking voltage         Maximum average forward rectified current at TL=75°C         Peak forward surge current         8.3ms single half sine-wave superimposed on rated load (JEDEC Method)         Maximum DC reverse current         Maximum DC reverse current         TA=25°C         at rated DC blocking voltage	Specified. ,for capacitiv SYMBOLS VRRM VRMS VDC I(AV) IFSM VF IR	ve load <b>ES3A</b> 50 35	current ES3B 100 70 100	e derate <b>ES3C</b> 150 105 150	by 209 <b>ES3D</b> 200 140 200 3.0 100.0 5.0 100.0	%. <b>ES3E</b> 300 210 300	<b>ES3G</b> 400 280 400	600 420 600	VOLTS VOLTS VOLTS Amps Amps Volts µA

3.P.C.B. mounted with 0.2x0.2" (5.0x5.0mm) copper pad areas

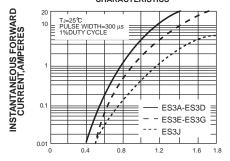
## ES3A THRU ES3J



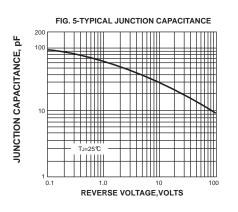
AVERAGE FORWARD RECTIFIED CURRENT, AMPERES FIG. 1- FORWARD CURRENT DERATING CURVE 3.0 2.4 1.8 Single Phase Half Wave 60Hz Resistive or inductive Load 1.2 0.6 0 0 25 50 75 100 125 150 175

AMBIENT TEMPERATURE, °C





INSTANTANEOUS FORWARD VOLTAGE, VOLTS



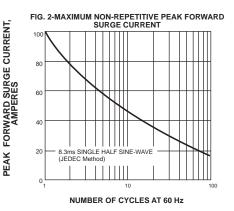


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

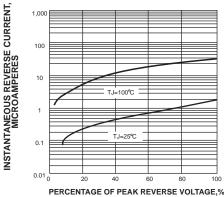
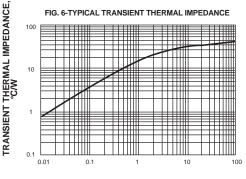


FIG. 6-TYPICAL TRANSIENT THERMAL IMPEDANCE



t,PULSE DURATION,sec.

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