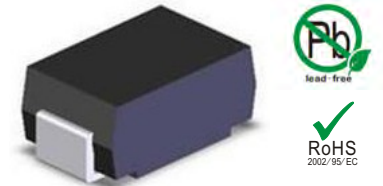


Features

- Low reverse leakage
- High forward surge capability
- High reliability
- High temperature soldering guaranteed: 260°C/10seconds
- Lead and body according with RoHS standard
- Green compound with suffix "-F" on Marking



Mechanical Data

- Case: DO-214AC Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Pure tin plated, lead free

DO-214AC/SMA

Maximum Ratings & Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

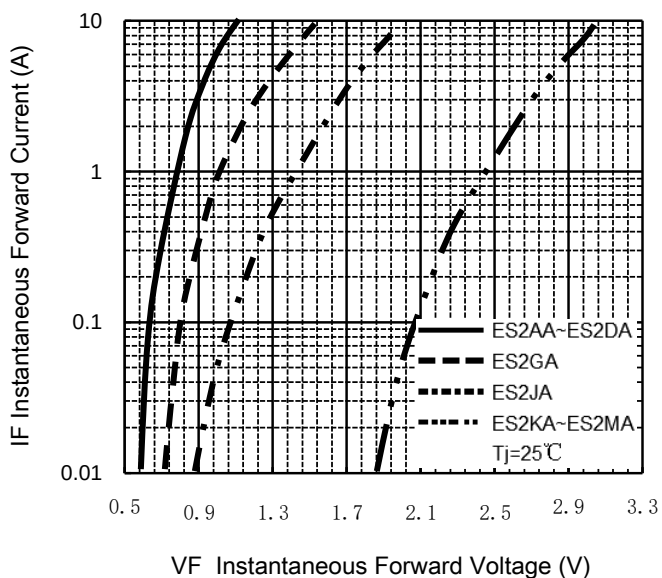
Parameter	Symbols	ES2AA	ES2BA	ES2DA	ES2GA	ES2JA	ES2KA	ES2MA	Unit
Maximum repetitive peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum average forward rectified current	I _{F(AV)}	2.0							A
Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	I _{FSM}	50					40		A
@IF=2.0A Maximum forward voltage	V _F	0.95			1.25	1.70	3.20		V
@V _{DC} Maximum reverse current	I _R	5							μA
TA= 25°C TA= 125°C		100							
IF=0.5A , IR=1.0A ,IRR=0.25A MAX. reverse recovery time	T _{RR}	35							nS
Typical thermal resistance (Note 1)	R _{θJA}	105							°C/W
VR=4.0V,f=1MHz Type junction capacitance	C _J	25							pF
Operating junction temperature rang	T _J	-55 --- +150							°C
Storage temperature rang	T _{STG}	-55 --- +150							°C

Note:

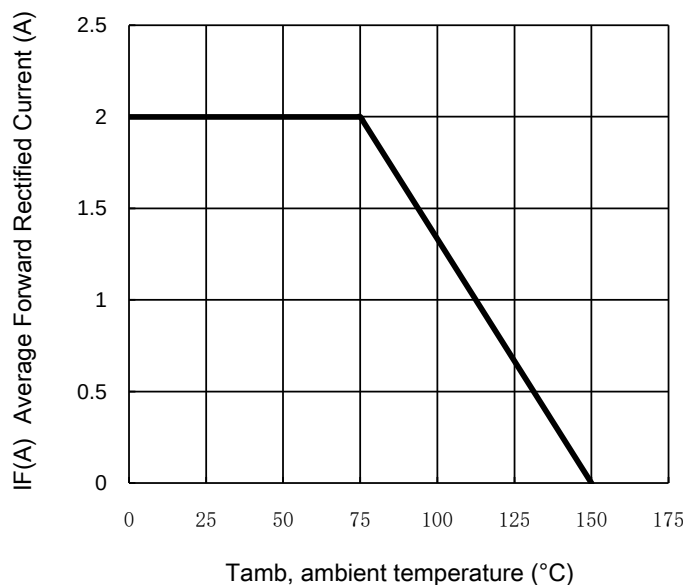
1) Thermal resistance from junction to ambient, PCB mounted.

Characteristic Curves

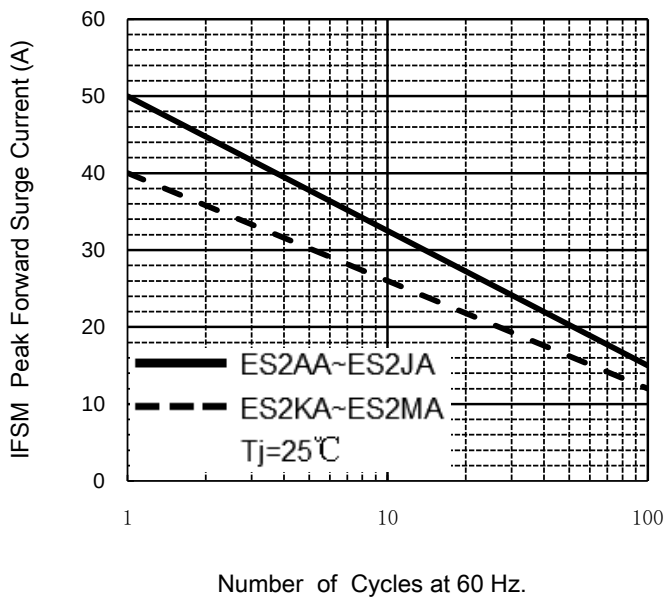
TYPICAL FORWARD CHARACTERISTIC



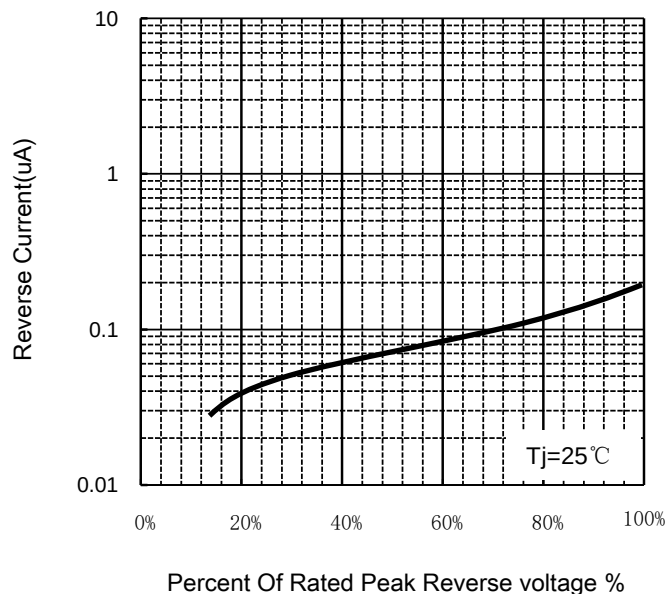
FORWARD CURRENT DERATING CURVE



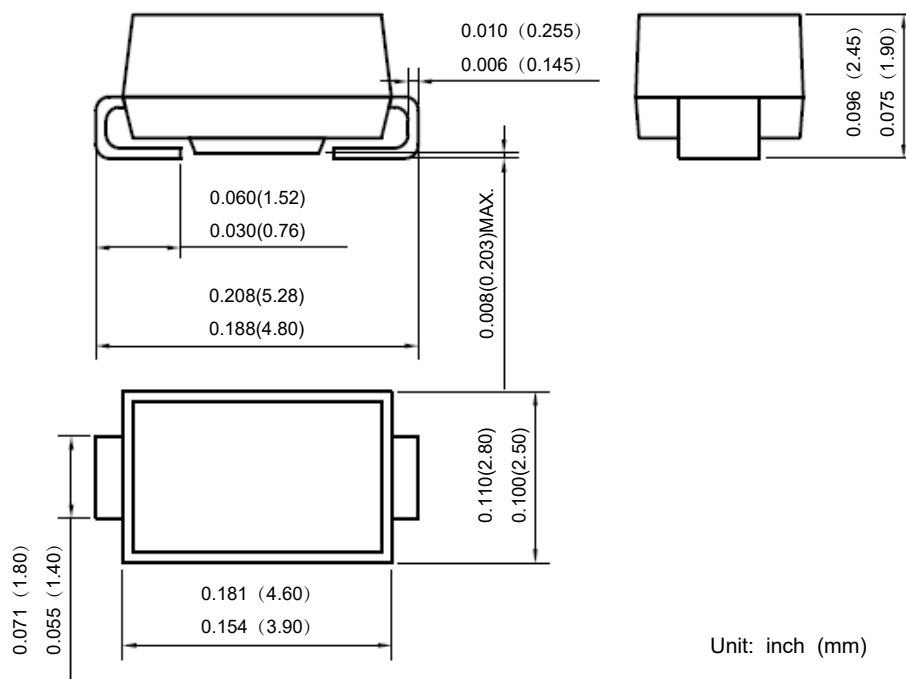
MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



TYPICAL REVERSE CHARACTERISTICS



Package Outline



Package Information

Qty : 5,000 /Tape and reel