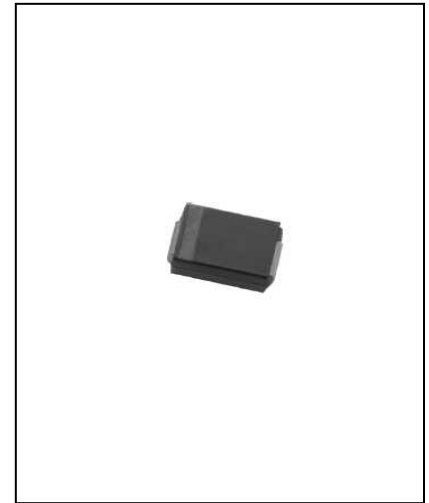


SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

SS115--SS110

FEATURES

- Schottky barrier rectifier
- Guardring protection
- Low forward voltage
- Reverse energy tested
- High current capability
- Extremely low thermal resistance



MECHANICAL DATA

- Case: SMA molded plastic body
- Polarity: Color band denotes cathode end
- Mounting position: ANY
- Weight: 0.002 ounces, 0.064 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified

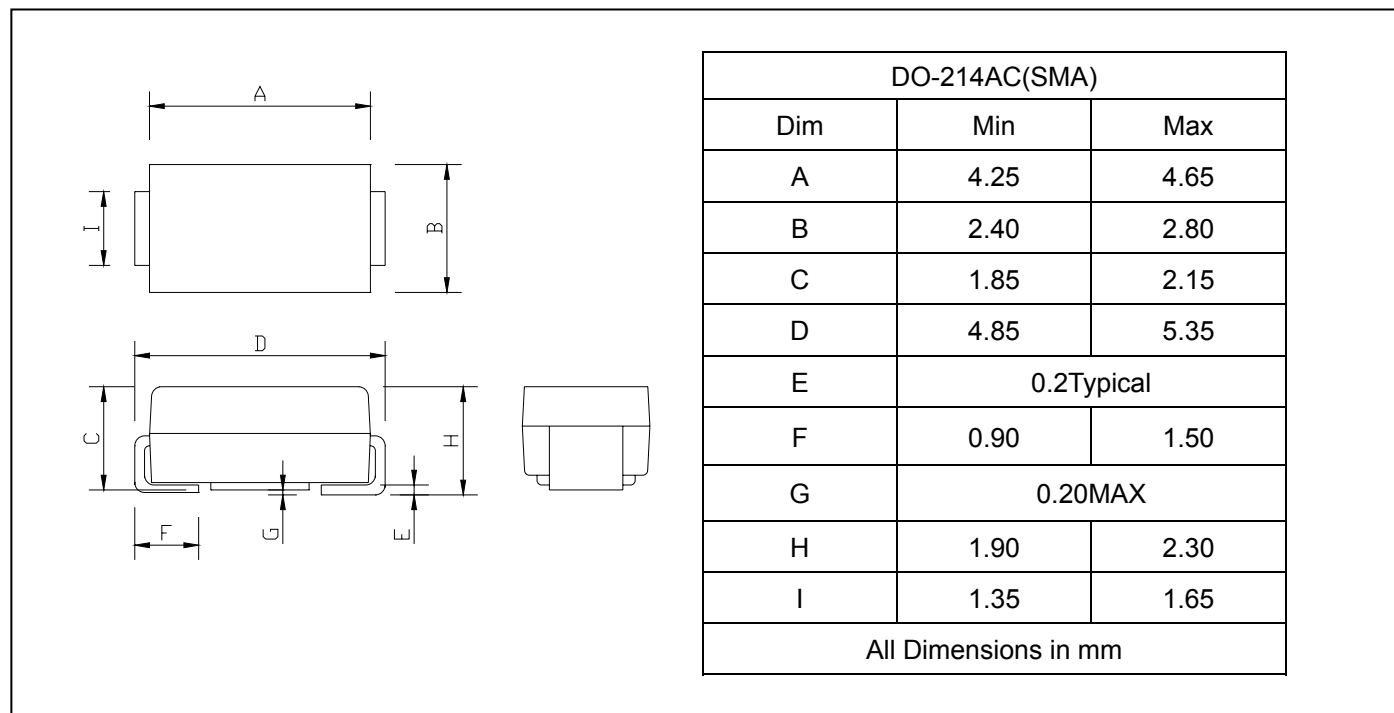
		SS115	SS12	SS13	SS14	SS15	SS16	SS18	SS19	SS110	UNITS
Device marking code		SS115	SS12	SS13	SS14	SS15	SS16	SS18	SS19	SS110	
Maximum repetitive peak reverse voltage	V _{RRM}	15	20	30	40	50	60	80	90	100	V
Maximum RMS voltage	V _{RWS}	10.5	14	21	28	35	42	56	63	70	V
Maximum DC blocking voltage	V _{DC}	15	20	30	40	50	60	80	90	100	V
Maximum average forward rectified current at T _L =90℃	I _{F(AV)}	1.0									A
Peak forward surge current 8.3ms single half-sine-wave	I _{FSM}	50									A
Maximum instantaneous forward voltage at I _{FM} =1.0A (NOTE1)	V _F	0.50				0.75		0.85			V
Maximum DC reverse current T _J =25℃ at rated DC blocking voltage T _J =125℃	I _R	0.2						0.5			mA
		6.0				5.0					
Maximum thermal resistance	R _{θJL}	28									℃/W
Operating temperature range	T _J	-55 ---- +125									℃
Storage temperature range	T _{STG}	-55 ---- +125									℃

NOTE: 1.Pulse test: Pulse width 300us,duty cycle 1 %

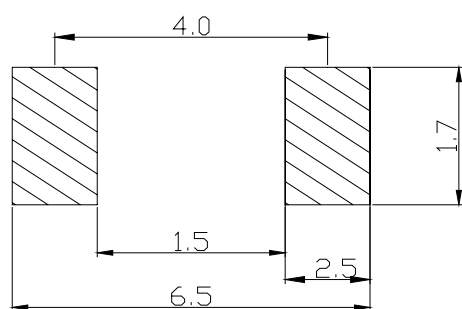
SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

SS115--SS110

PACKAGE OUTLINE DIMENSIONS



SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
SS115--SS110	DO-214AC(SMA)	5000/Tape&Reel

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

SS115--SS110

FIG.1 – FORWARD DERATING CURVE

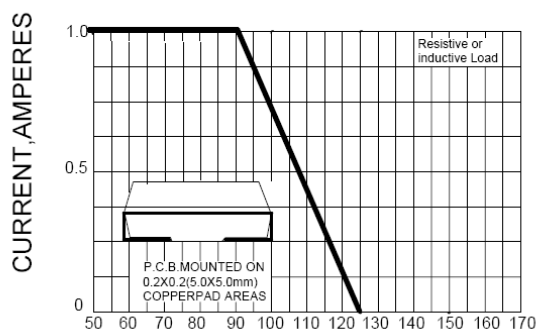


FIG.2– PEAK FORWARD SURGE CURRENT

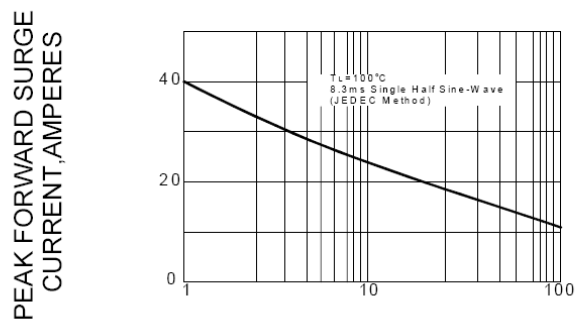


FIG.3 – TYPICAL FORWARD CHARACTERISTICS

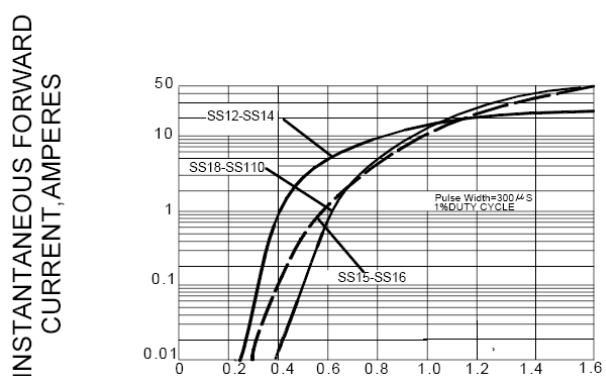


FIG.4 – TYPICAL REVERSE CHARACTERISTICS

