



**Features**

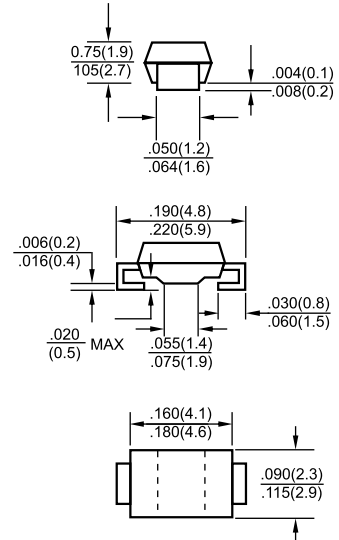
- ◇ For surface mounted application
- ◇ Glass passivated junction chip
- ◇ Low forward voltage drop
- ◇ High current capability
- ◇ Easy pick and place
- ◇ High surge current capability
- ◇ Plastic material used carries Underwriters
- ◇ Laboratory Classification 94V-0
- ◇ High temperature soldering
- ◇ 260 °C / 10 seconds at terminal

**Mechanical Data**

- ◇ **Case:** Molded plastic SMA/DO-214AC
- ◇ **Polarity:** Indicated by cathode band
- ◇ **Mounting Position:** Any
- ◇ **Packaging:** 12mm tape
- ◇ **Weight:** 0.07 gram

**CURRENT:1.0A**

**SMA/DO-214AC**



Dimensions in inches and (millimeters)

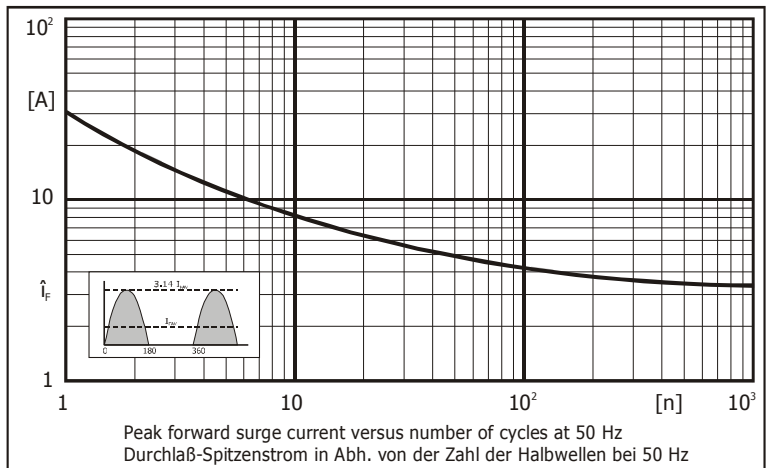
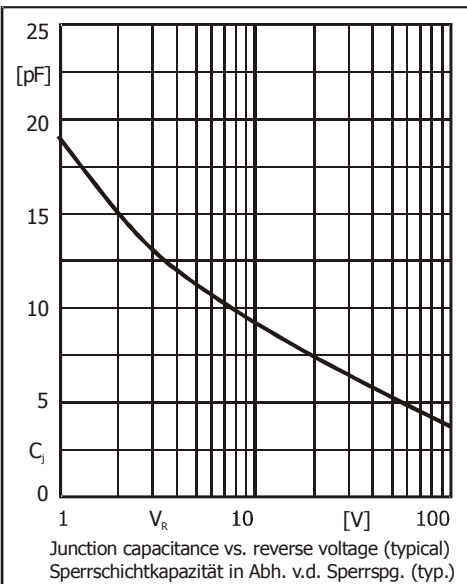
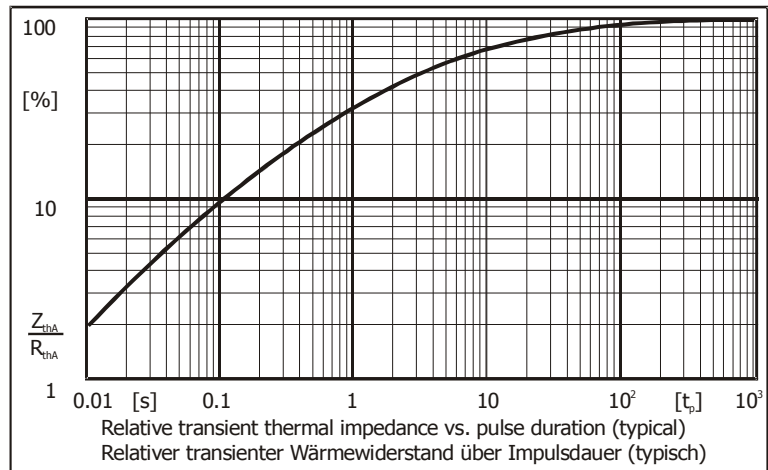
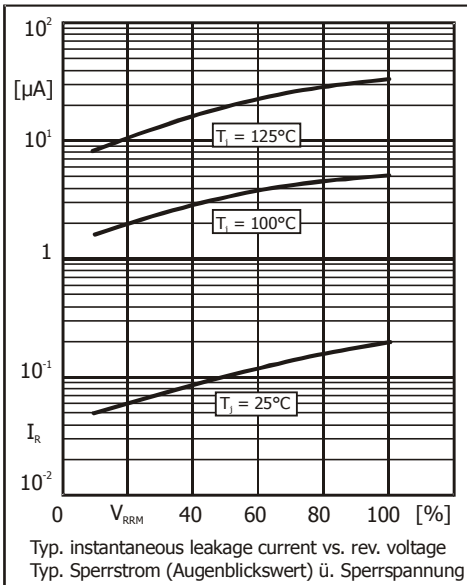
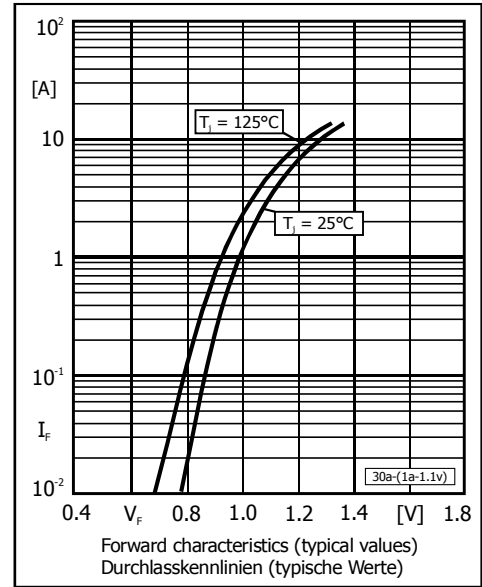
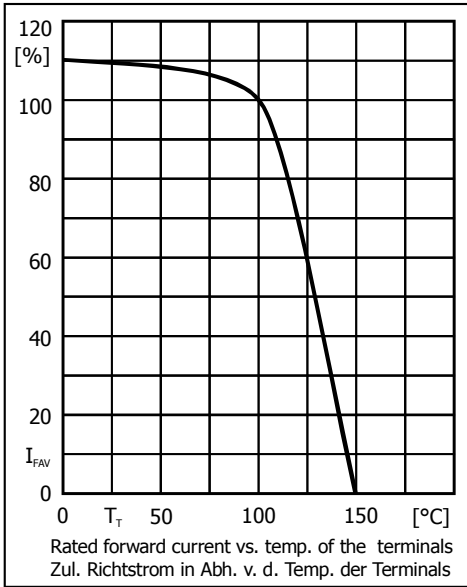
**MAXIMUM RATINGS AND ELECTRICAL CHARACTERS**

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase,half wave,60HZ,resistive or inductive load.For capacitive load,derate by 20%.

Type Numger	Symbol	M20	UNITS
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	2000	V
Maxium RMS Voltage	$V_{RMS}$	1400	V
Maxium DC Blocking Voltage	$V_{DC}$	2000	V
Maximum Average Forward Rectified Current (Note 1) @ $T_L=110^{\circ}C$	$I_{F(AV)}$	1.0	A
Peak forward surge current:8.3ms single half-sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	30	A
I2t Rating for Fusing (t < 8.3ms)	I2t	4.5	A2S
Forward Voltage @ $I_F=1.0A$	$V_{FM}$	1.1	V
Maximum DC Reverse Current @ $T_A=25^{\circ}C$	$I_R$	5	Ua
at Rated DC Blocking Voltage @ $T_A=100^{\circ}C$	$I_R$	50	Ua
Typical Junction Capacitance (Note 1)	$C_J$	12	pF
Operating Temperature Range	$T_J$	-55 to +150	°C
Storage Temperature Range	$T_{STG}$	-55 to +150	°C

Note: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.



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