

● **FEATURES :**

- High current capability
- High surge current capability
- High reliability
- Low reverse current
- Low forward voltage drop
- Pb / RoHS Free

● **MECHANICAL DATA :**

- Case : SMA Molded plastic
- Epoxy : UL94V-O rate flame retardant
- Lead : Lead Formed for Surface Mount
- Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight : 0.067 gram



● **MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating at 25 °C ambient temperature unless otherwise specified.  
Single phase, half wave, 60 Hz, resistive or inductive load.  
For capacitive load, derate current by 20%.

RATING	SYMBOL	1SR154-400	1SR154-600	UNIT
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	400	600	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	400	600	V
Maximum Absolute Peak Reverse Voltage	V <sub>RSM</sub>	500	750	V
Maximum Average Forward Current	I <sub>F</sub>	1.0		A
Peak Forward Surge Current 8.3ms Single half sine wave Superimposed on rated load (JEDEC Method)	I <sub>FSM</sub>	30		A
Maximum Forward Voltage at I <sub>F</sub> = 1.0 Amp.	V <sub>F</sub>	1.1		V
Maximum DC Reverse Current at rated DC Blocking Voltage	I <sub>R</sub>	10		μA
Junction Temperature	T <sub>J</sub>	150		°C
Storage Temperature Range	T <sub>STG</sub>	- 55 to + 150		°C

FIG.1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

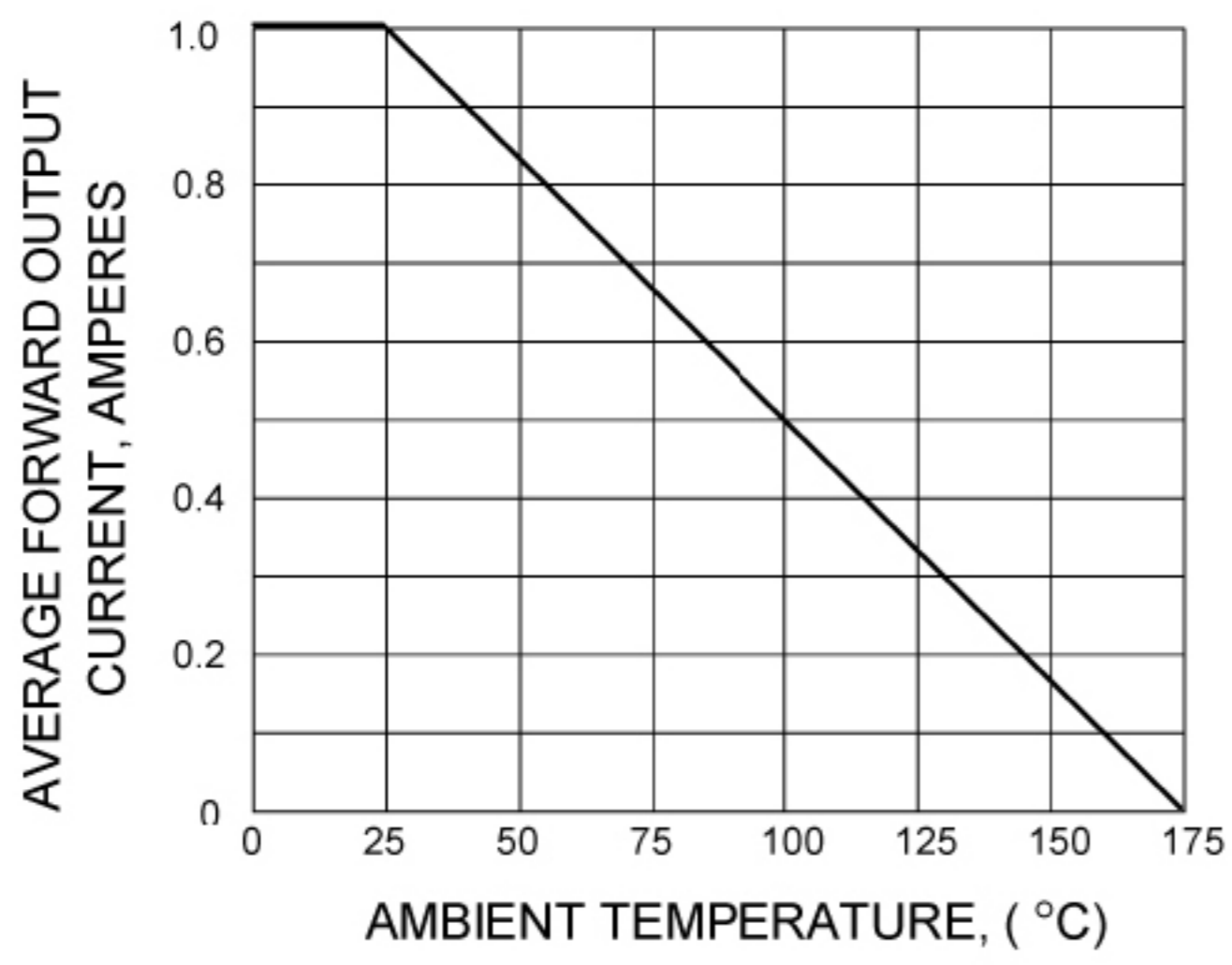


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

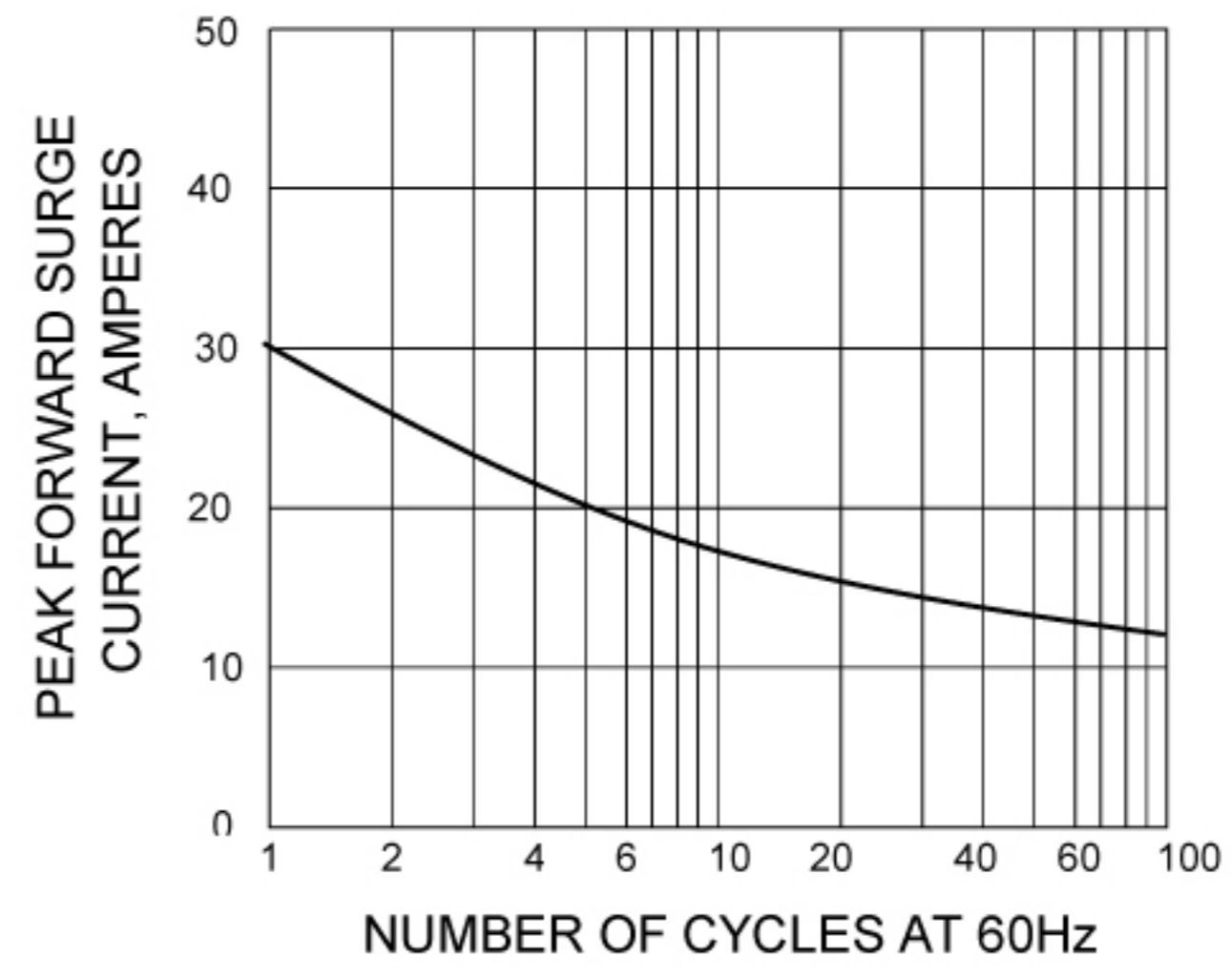


FIG.3 - TYPICAL FORWARD CHARACTERISTICS

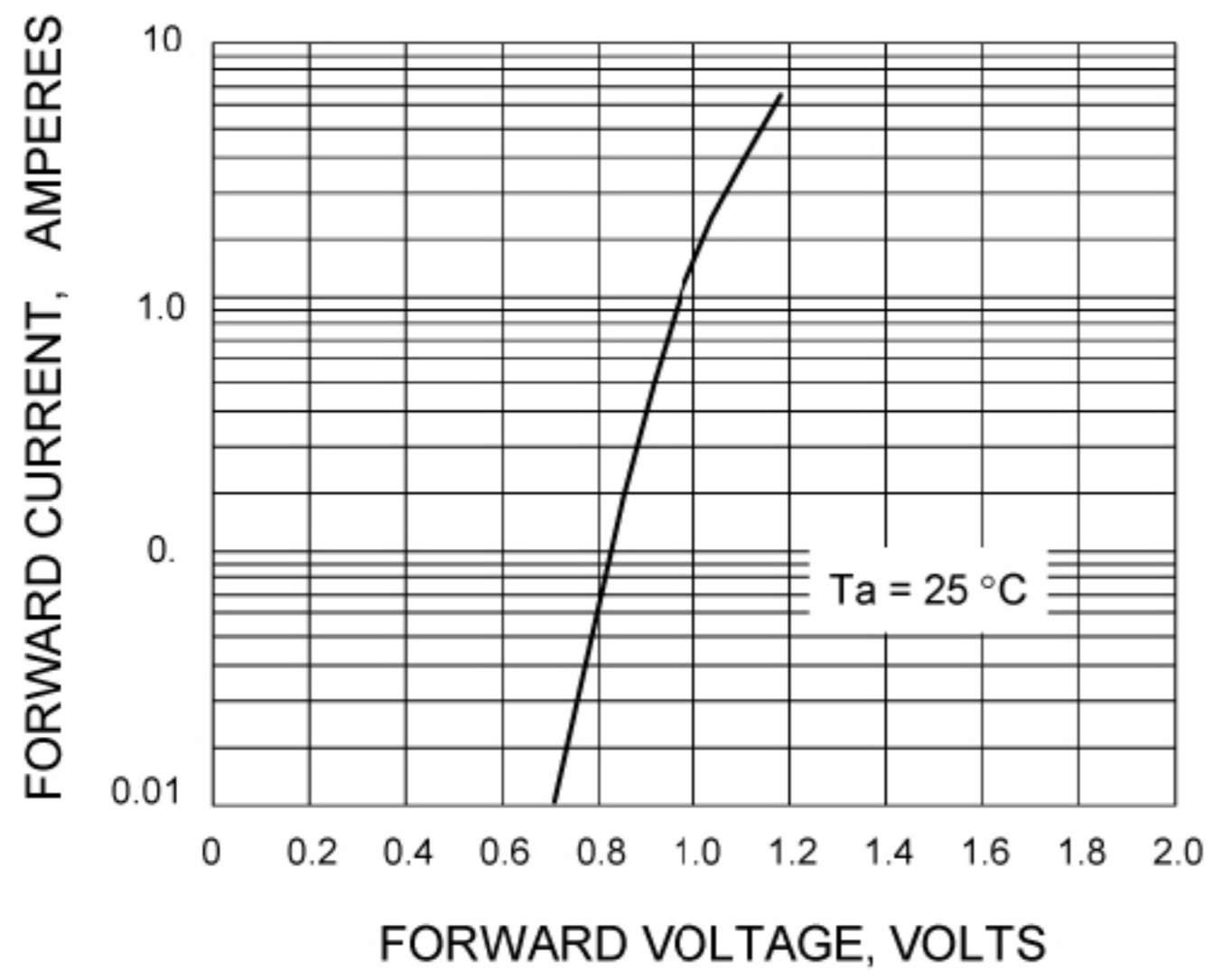
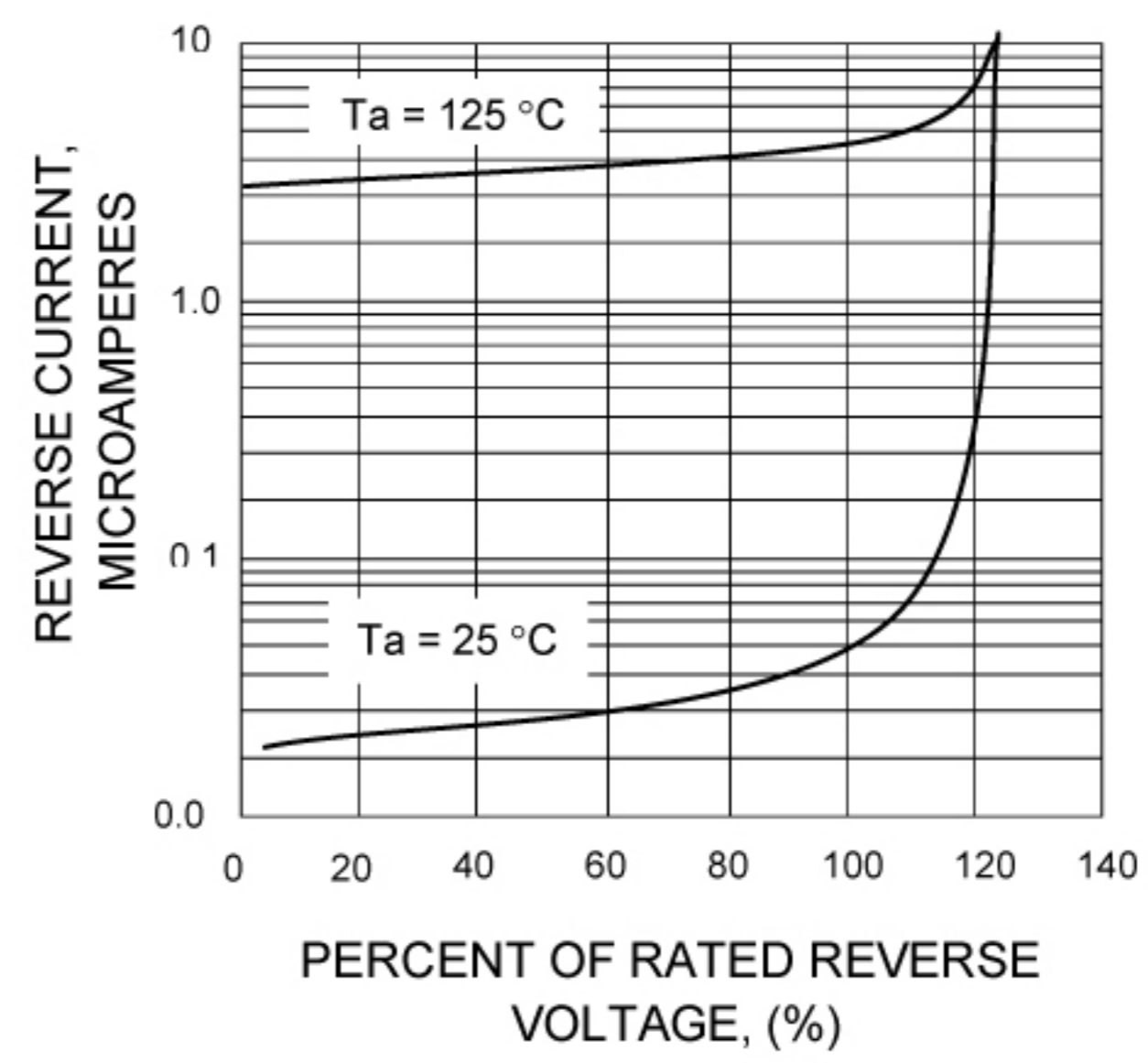


FIG.4 - TYPICAL REVERSE CHARACTERISTICS



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