ESJA28-02S/03

10mA Axial Leaded High Voltage Diode

Features

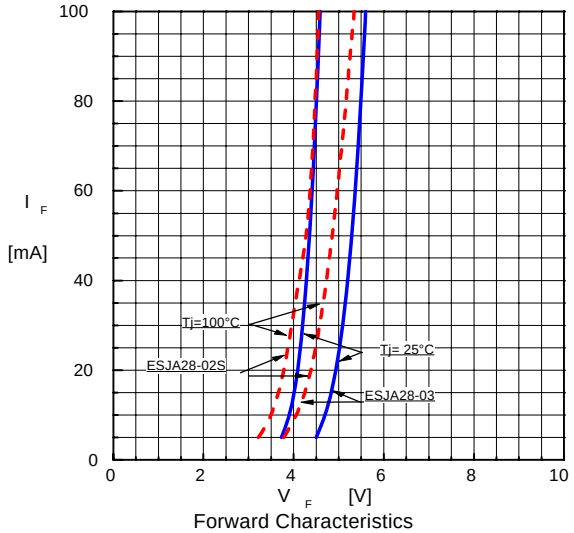
- High temperature resistivity
- High reliability design
- Ultra small pakage

Mechanical Data

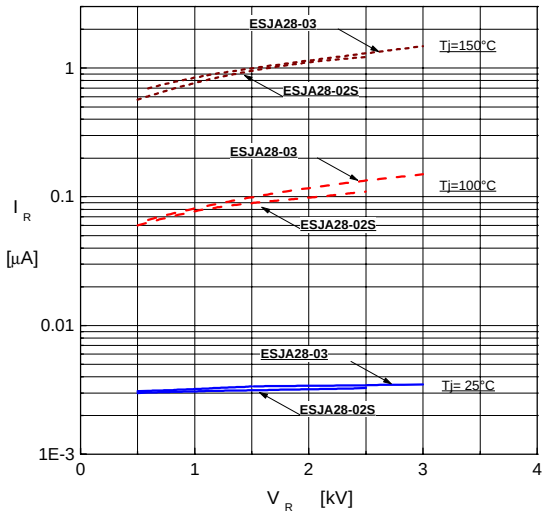
Maximum Ratings and Electrical Characteristics @ T_A = 25°C unless otherwise specified

Items	Symbols	Condition	ESJA28 -02S	ESJA28 -03	Units
Repetitive Peak Reverse Voltage	V_{RRM}	f=60Hz	2.2	2.7	kV
Non-Repetitive Peak Reverse Voltage	V_{RSM}	Ignition Pulse f=150Hz,1minute	2.5	3.0	kV
Average Output Current	I_O	60 Hz Sine wave	10		mA
Surge Current	I_{FSM}	60 Hz Sine-half wave peak value	1.0		A
Operating Junction Temperature	T_j		150		°C
Storage Temperature	T_{stg}		-40 to +150		°C

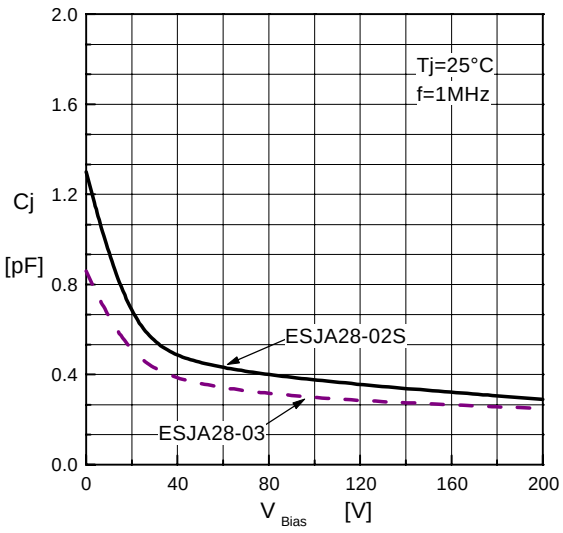
Items	Symbols	Conditions	ESJA28 -02S	ESJA28 -03	Units
Maximum Forward Voltage Drop	V_F	I_F=10mA	7	8.4	V
Maximum Reverse Current	I_{R1}	V_R=2.2kV	5		µA
Maximum Reverse Current	I_{R2}	V_R=2.5kV	10		µA
Minimum Avalanche Breakdown Voltage	Vz	Iz=100µA	2.7		kV



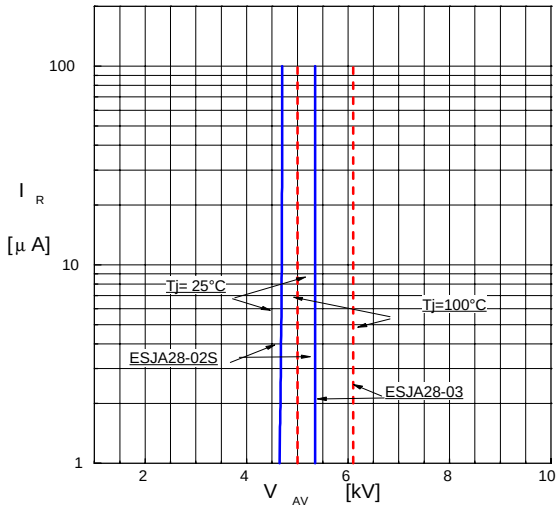
Forward Characteristics



Reverse Characteristics



Junction Capacitance Characteristics



Avalanche Breakdown Voltage