ESJA19-10/12

5mA Axial Leaded High Voltage Diode

Features

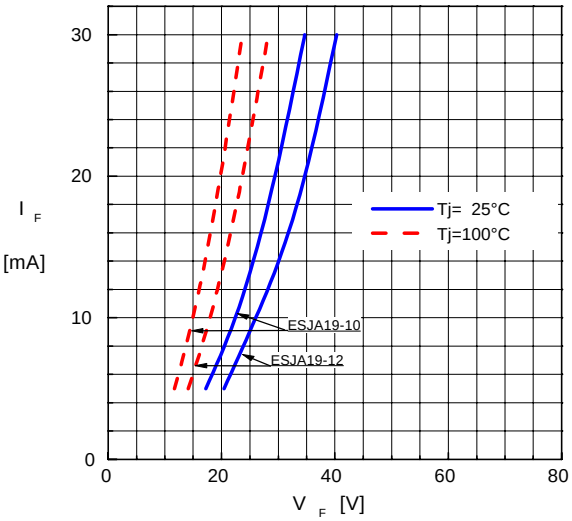
- Ultra high speed switching
- Low VF
- High surge resisitivity for CRT discharge
- High reliability design
- Ultra small pakage

Mechanical Data

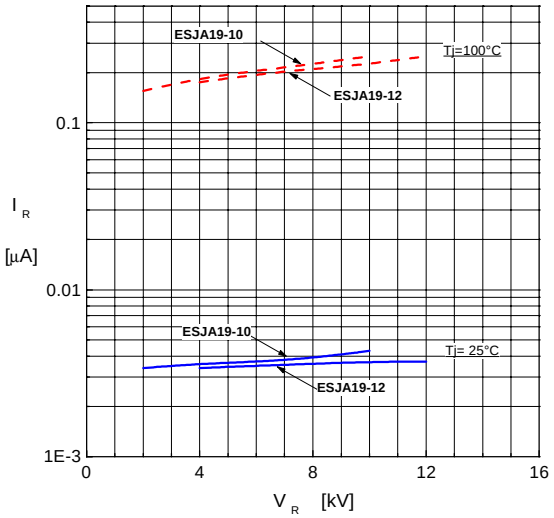
Maximum Ratings and Electrical Characteristics @ T_A = 25°C unless otherwise specified

Items	Symbols	Condition	ESJA19 -10	ESJA19 -12	Units
Repetitive Peak Reverse Voltage	V_{RRM}		10	12	kV
Average Output Current	I_O		5		mA
Surge Current	I_{FSM}	Ta=25°C,Resistive Load 10mS Sine-half wave peak value	0.5		A
Junction Temperature	T_j		120		°C
Allowable Operation Case Temperature	Tc		100		°C
Storage Temperature	T_{stg}		-40 to +120		°C

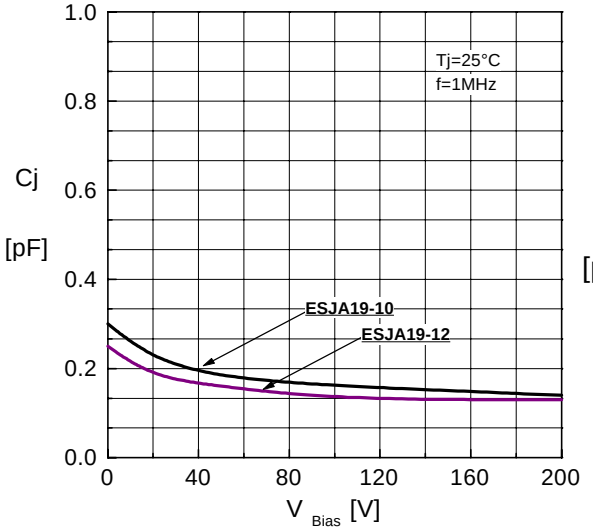
Items	Symbols	Conditions	ESJA19 -10	ESJA19 -12	Units
Maximum Forward Voltage Drop	V_F	I_F=10mA	36	42	V
Maximum Reverse Current	IR	V_R=VRRM	2		μA
Maximum Reverse Recovery Time	trr	Ta=25°C,I_F=2mA,I_R=4mA	0.045		μs
Junction Capacitance	Cj	Ta=25°C,V_R=0V,f=1MHz	1		pF



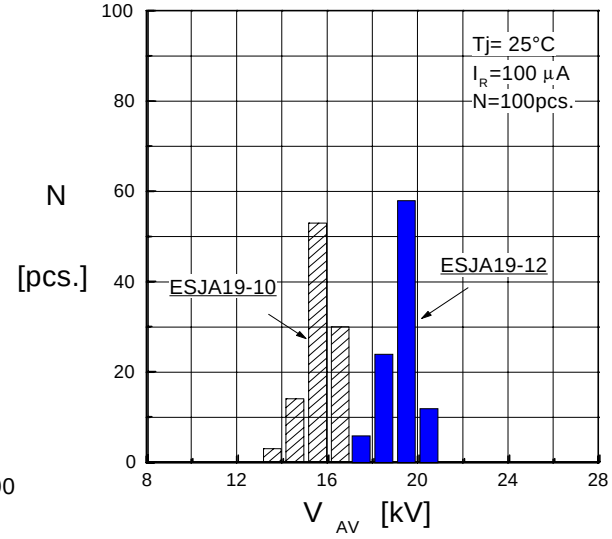
Forward Characteristics



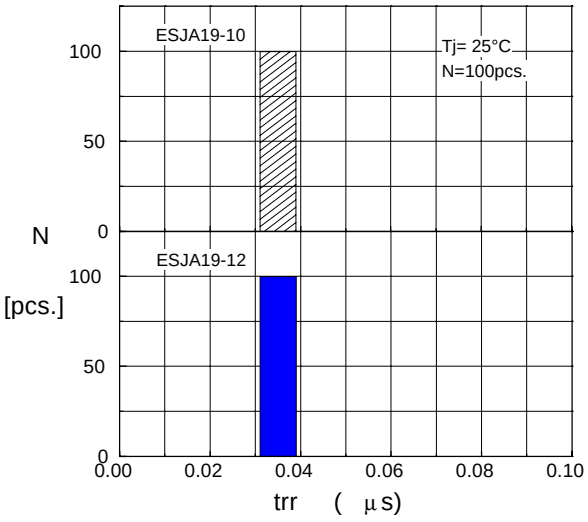
Reverse Characteristics



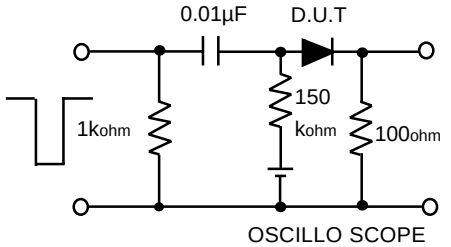
Junction Capacitance Characteristics



Avalanche Breakdown Voltage



Reverse Recovery Time



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