



ESJA53-16A

HIGH VOLTAGE RECTIFIER DIODES

VOLTAGE RANGE: 16KV
CURRENT: 5.0 mA

Features

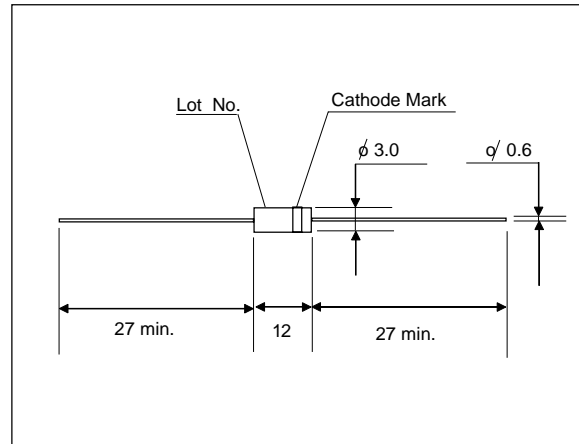
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design

Applications

- X light Power supply
- Laser
- Voltage doubler circuit
- Microwave emission power



Outline Drawings : mm



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

Characteristic	Symbols	ESJA53-16A	Units	
Repetitive Peak Reverse Voltage	V _{RRM}	16	kV	
Average Output Current T _a =25°C, Resistive Load	I _O	5.0	mA	
Surge Current	I _{FSM}	0.5	A	
Maximum Forward Voltage Drop at 25°C, I _F = I _{F(AV)}	V _F	55	V	
Maximum Reverse Current	V _{RRM}	at 25°C	2.0	μA
		at 100°C	5.0	μA
Maximum Reverse Recovery Time at 25°C	T _{rr}	80	nS	
Junction Capacitance at 25°C, V _R =0V, f=1MHz	C _j	1.0	pF	
Junction Temperature	T _j	125	°C	
Allowable Operation Case Temperature	T _c	125	°C	
Storage Temperature	T _{stg}	-40 to +125	°C	