

1W ZENER SMAF SERIES DIODES



Features

- Low-profile DO-221AC (SMA-FL) package reduces height by 50% (compared to standard SMA)
- Wide voltage selection from 6.2V to 100V ideal for diverse applications
- High-temperature resilience at operating junction temperatures up to 150°C



Benefits

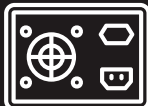
Compact, low-profile footprint enables smaller and more streamlined electronic device designs.

Also feature overvoltage protection capabilities to shield components from voltage spikes.

Applications



Voltage
regulation



Power
supply
regulation



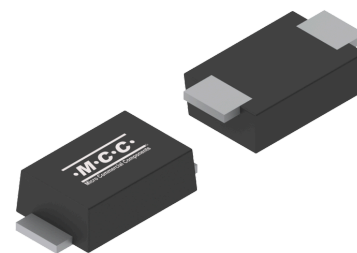
Voltage
stabilization

MCC's 1W ZENER SMAF Series Diodes in Advanced DO-221AC (SMA-FL) Package



Compact Design Meets Exceptional Performance Amid Height Constraints

Robust Zener Diodes with Wide Voltage Range



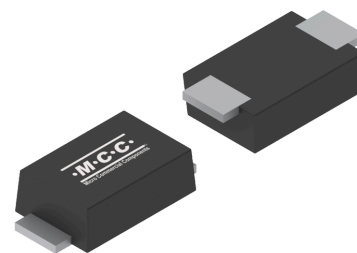
Product Attributes, Parametrics & Datasheets

Product	Type	Package	DC Power Dissipation PD	Drain-Nominal Zener Voltage VZ@IZT	Mounting Type	Datasheet
SMAF4735A	Zener Diode	DO-221AC (SMA-FL)	1W	6.2V	Surface-Mount (SMD)	Info
SMAF4736A	Zener Diode	DO-221AC (SMA-FL)	1W	6.8V	Surface-Mount (SMD)	Info
SMAF4737A	Zener Diode	DO-221AC (SMA-FL)	1W	7.5V	Surface-Mount (SMD)	Info
SMAF4738A	Zener Diode	DO-221AC (SMA-FL)	1W	8.2V	Surface-Mount (SMD)	Info
SMAF4739A	Zener Diode	DO-221AC (SMA-FL)	1W	9.1V	Surface-Mount (SMD)	Info
SMAF4740A	Zener Diode	DO-221AC (SMA-FL)	1W	10V	Surface-Mount (SMD)	Info
SMAF4741A	Zener Diode	DO-221AC (SMA-FL)	1W	11V	Surface-Mount (SMD)	Info
SMAF4742A	Zener Diode	DO-221AC (SMA-FL)	1W	12V	Surface-Mount (SMD)	Info
SMAF4743A	Zener Diode	DO-221AC (SMA-FL)	1W	13V	Surface-Mount (SMD)	Info
SMAF4744A	Zener Diode	DO-221AC (SMA-FL)	1W	15V	Surface-Mount (SMD)	Info
SMAF4745A	Zener Diode	DO-221AC (SMA-FL)	1W	16V	Surface-Mount (SMD)	Info
SMAF4746A	Zener Diode	DO-221AC (SMA-FL)	1W	18V	Surface-Mount (SMD)	Info

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**Capable of operating at
junction temperatures
up to 150°C**



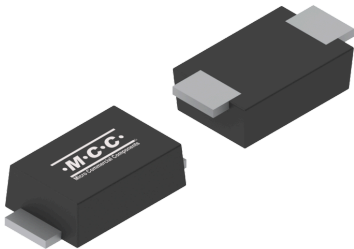
Product Attributes, Parametrics & Datasheets

Product	Type	Package	DC Power DissipationPD	Drain- NominalZener VoltageVZ@IZT	Mounting Type	Datasheet
<u>SMAF4747A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	20V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4748A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	22V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4749A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	24V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4750A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	27V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4751A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	30V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4752A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	33V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4753A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	36V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4754A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	39V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4755A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	43V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4756A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	47V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4757A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	51V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4758A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	56V	Surface- Mount (SMD)	<u>Info</u>
<u>SMAF4759A</u>	Zener Diode	DO-221AC (SMA-FL)	1W	62V	Surface- Mount (SMD)	<u>Info</u>

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Low-profile DO-221AC
(SMA-FL) package



Product Attributes, Parametrics & Datasheets

Product	Type	Package	DC Power DissipationPD	Drain- NominalZener VoltageVZ@IZT	Mounting Type	Datasheet
SMAF4760A	Zener Diode	DO-221AC (SMA-FL)	1W	68V	Surface- Mount (SMD)	Info
SMAF4761A	Zener Diode	DO-221AC (SMA-FL)	1W	75V	Surface- Mount (SMD)	Info
SMAF4762A	Zener Diode	DO-221AC (SMA-FL)	1W	82V	Surface- Mount (SMD)	Info
SMAF4763A	Zener Diode	DO-221AC (SMA-FL)	1W	91V	Surface- Mount (SMD)	Info
SMAF4764A	Zener Diode	DO-221AC (SMA-FL)	1W	100V	Surface- Mount (SMD)	Info

Applications:



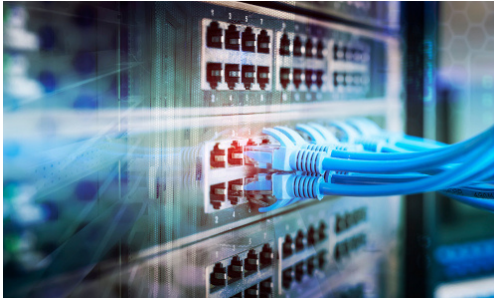
Consumer Electronics

- Voltage regulation in electronics systems
- Protection circuits in electronics systems



Industrial

- Power supply regulation in control systems
- Surge protection in industrial automation equipment



Telecommunications

- Signal integrity maintenance in networking equipment
- Voltage stabilization in communication devices
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