

# MAP6KE51A

### **MAP6KE51A Information**

Heisener.com	 MAP6KE51A Microsemi Corporation Circuit Protection TVS - Diodes TVS DIODE 43.6VWM 70.1VC T18 T-18, Axial For the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



# **MAP6KE51A Specifications**

ManufacturerMicrosemi CorporationCategoryCircuit Protection TVS - DiodesPackageT-18, AxialSeriesMilitary, MIL-PRF-19500SpriesZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)43.6VVoltage - Breakdown (Min)8.6AVoltage - Clamping (Max) @ Ipp50.0WCurrent - Peak Pulse (10/1000µs)8.6APower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18, Axial		
CategoryCircuit ProtectionTVS - DiodesPackageT-18, AxialSeriesMilitary, MIL-PRF-19500TypeZenerUndirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)43.6VVoltage - Reverse Standoff (Typ)64.5VVoltage - Clamping (Max) @ Ipp56.APower Line Protection600WPower Line Protection600WApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case51.8, AxialSupplier Device PackageT-18	Manufacturer Part Number	MAP6KE51A
TVS - Diodes   Package T-18, Axial   Series Military, MIL-PRF-19500   Type Zener   Unidirectional Channels 1   Bidirectional Channels -   Voltage - Reverse Standoff (Typ) 43.6V   Voltage - Breakdown (Min) 48.5V   Voltage - Clamping (Max) @ Ipp 70.1V   Current - Peak Pulse (10/1000µs) 8.6A   Power - Peak Pulse 600W   Power Line Protection No   Applications General Purpose   Capacitance @ Frequency -   Operating Temperature -65°C ~ 150°C (TJ)   Mounting Type Through Hole   Package / Case T-18, Axial	Manufacturer	Microsemi Corporation
PackageT-18, AxialSeriesMilitary, MIL-PRF-19500TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)43.6VVoltage - Breakdown (Min)48.5VVoltage - Clamping (Max) @ Ipp0.1VCurrent - Peak Pulse (10/1000µs)8.6APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature65°C ~ 150°C (TJ)Mounting TypeThough HolePackage / CaseT.18, AxialSupplier Device PackageT-18	Category	Circuit Protection
SeriesMiliary, MIL-PRF-19500TypeZenerUndirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)43.6VVoltage - Breakdown (Min)48.5VVoltage - Clamping (Max) @ Ipp70.1VCurrent - Peak Pulse (10/100µs)8.6APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeOperating Temperature-Operating Temperatures-Power Age-Sunding TypeThrough HoleSupplier Device PackageT18, AxialSupplier Device PackageT-18		TVS - Diodes
TypeZenerUndirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)43.6VVoltage - Breakdown (Min)48.5VVoltage - Clamping (Max) @ Ipp70.1VCurrent - Peak Pulse (10/1000µs)8.6APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~150°C (TJ)Mounting TypeThrough HolePackage / CaseT-18Supplier Device PackageT-18	Package	T-18, Axial
JamInstructional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)43.6VVoltage - Breakdown (Min)48.5VVoltage - Clamping (Max) @ Ipp70.1VCurrent - Peak Pulse (10/1000µs)8.6APower - Peak Pulse (10/1000µs)600WPower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-50°C (TJ)Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Series	Military, MIL-PRF-19500
Bidirectional Channels-Voltage - Reverse Standoff (Typ)43.6VVoltage - Breakdown (Min)48.5VVoltage - Clamping (Max) @ Ipp70.1VCurrent - Peak Pulse (10/1000µs)8.6APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCuperating Temperature-Operating Temperature-Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Туре	Zener
Voltage - Reverse Standoff (Typ)43.6VVoltage - Breakdown (Min)48.5VVoltage - Clamping (Max) @ Ipp70.1VCurrent - Peak Pulse (10/1000µs)8.6APower - Peak Pulse (10/1000µs)600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Unidirectional Channels	1
Voltage - Breakdown (Min)48.5VVoltage - Clamping (Max) @ Ipp70.1VCurrent - Peak Pulse (10/1000µs)8.6APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Bidirectional Channels	-
Voltage - Clamping (Max) @ Ipp70.1VCurrent - Peak Pulse (10/1000µs)8.6APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Voltage - Reverse Standoff (Typ)	43.6V
Current - Peak Pulse (10/1000µs)8.6APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Voltage - Breakdown (Min)	48.5V
Power - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-50°C (TJ)Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Voltage - Clamping (Max) @ Ipp	70.1V
Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Current - Peak Pulse (10/1000µs)	8.6A
ApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Power - Peak Pulse	600W
Capacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Power Line Protection	No
Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Applications	General Purpose
Mounting TypeThrough HolePackage / CaseT-18, AxialSupplier Device PackageT-18	Capacitance @ Frequency	-
Package / CaseT-18, AxialSupplier Device PackageT-18	Operating Temperature	-65°C ~ 150°C (TJ)
Supplier Device Package T-18	Mounting Type	Through Hole
	Package / Case	T-18, Axial
Report errors <sup>2</sup>	Supplier Device Package	T-18
		Report errors?

#### **MAP6KE51A** Guarantees



Quality Guarantees

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

# SERVICE EUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

# **MAP6KE51A** Payment Methods



## MAP6KE51A Shipping Methods



If you have any question about MAP6KE51A, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com