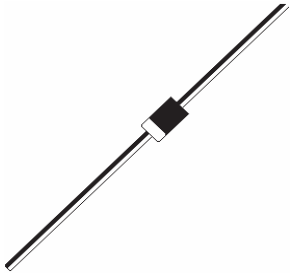
SUPERFAST RECOVERY RECTIFIER

MUR420



DO-201AD
Axial Plastic Package

ABSOLUTE MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Ratings at T_a = 25°C unless specified otherwise, single phase, half wave, 60Hz, resistive or inductive load. for capacitive load, derate current by 20%.)

Description	Symbols	Value	Units
Maximum Peak Repetitive Reverse Voltage	V_{RRM}	200	Volts
Maximum RMS Voltage	V_{RMS}	140	Volts
Maximum DC Blocking Voltage	V_{DC}	200	Volts
Maximum Average Forward Rectified Current 0.375" (9.5mm) Lead Length at T_A = 55ºC	$I_{(AV)}$	5.0	Amp
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	150	Amp
Maximum Forward Voltage at 5.0A DC and 25ºC	V_F	0.95	Volts
Maximum Reverse Current at Rated DC Blocking Voltage T_A=25°C T_A=100ºC	I_R	5.0 500	uAmp
Typical Junction Capacitance (Note 1)	C_j	45	pF
Typical Thermal Resistance (Note 2)	$R_{\Theta JA}$	25	ºC/W
Maximum Reverse Recovery Time (Note 3)	T_{RR}	35	nS
Operating Junction Temperature Range	T_j	-55 to +150	ºc
Storage Temperature Range	Tstg	-55 to +150	ºC

NOTES:

1- Measured at 1 MH_Z and applied reverse voltage of 4.0 $V_{DC.}$
2- Thermal resistance from Junction to Ambient and form junction to lead at 0.375" (9.5mm) lead length PCB Mounted
3-Reverse Recovery Test Conditions: I_F = 0.5A, I_R =1A, I_{RR} = 0.25A.

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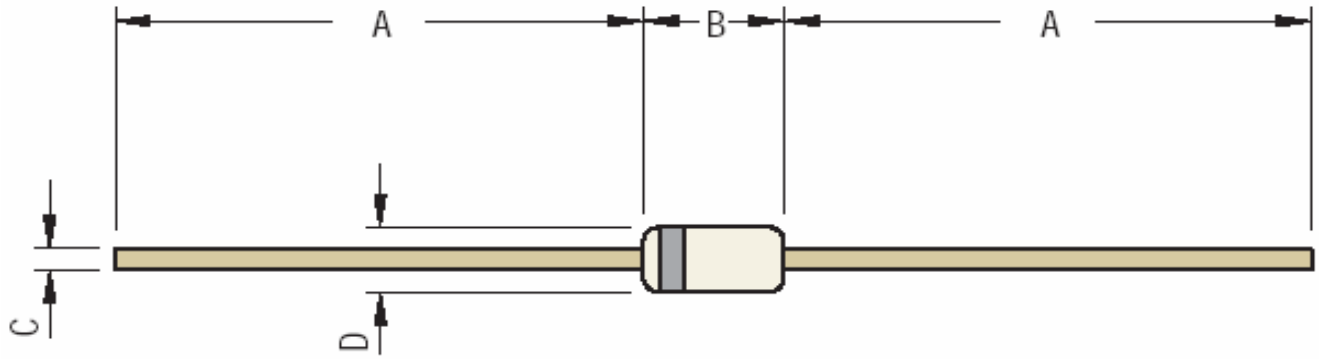
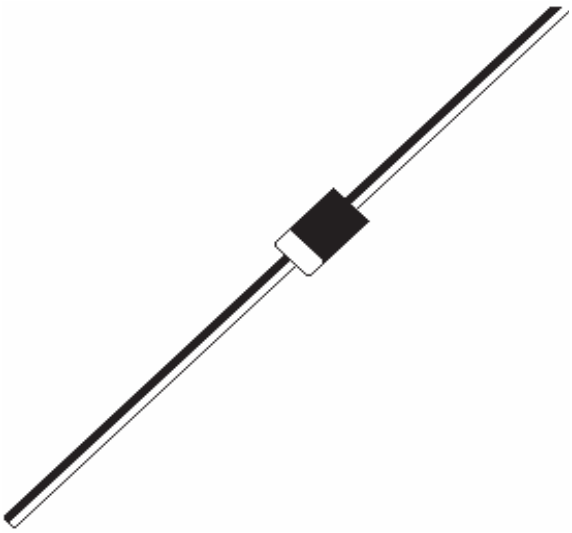


Cathode is marked by a Band

DIM	Min	Max
A	25.40	
B	8.50	9.50
C	1.20	1.30
D	5.00	5.60

All Dimensions are in mm



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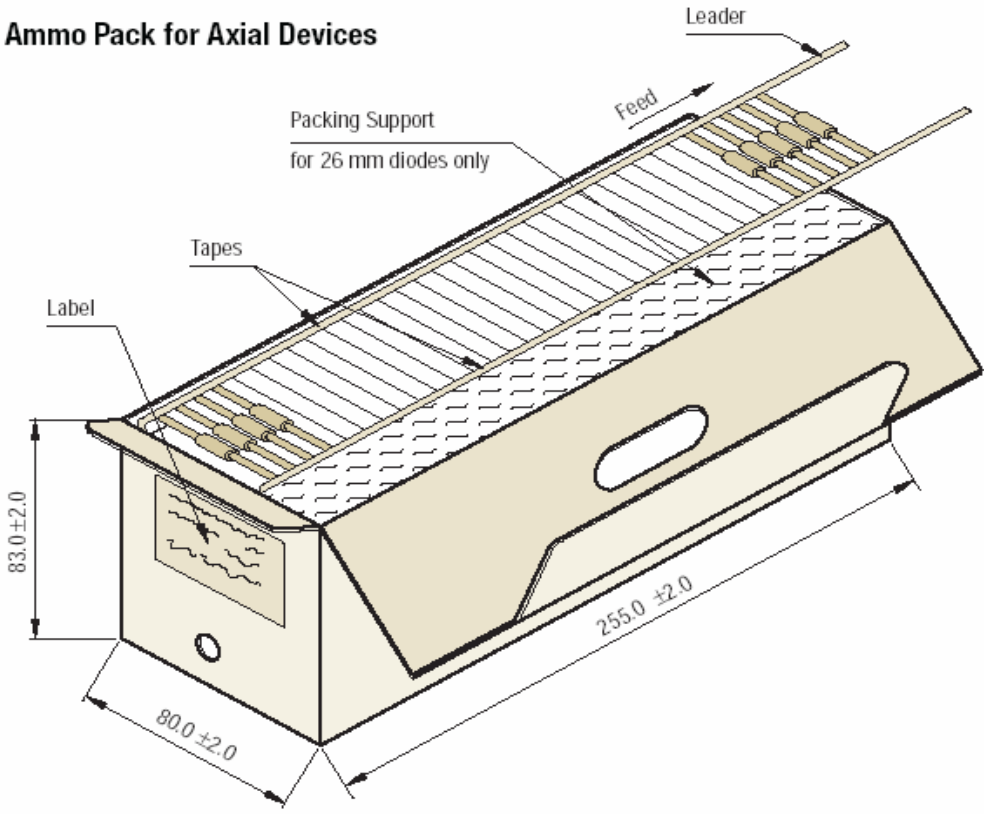
AMMO PACKING FOR DO-201AD



All Dimensions are in mm

Packaging Information

Package/	Packaging Type	Std. Packing	Inner Carton			Outer Carton		
Case Type		Qty	Qty	Size L x W x H	Gross Weight	Qty	Size L x W x H	Gross Weight
				(cm)	(Kg)		(cm)	(Kg)
DO-201AD	T&A	1,200	1.2K	29 x 8 x 15	1.68	10.8K	46 x 36 x 25	15.3

T & A: Tape and Ammo Pack

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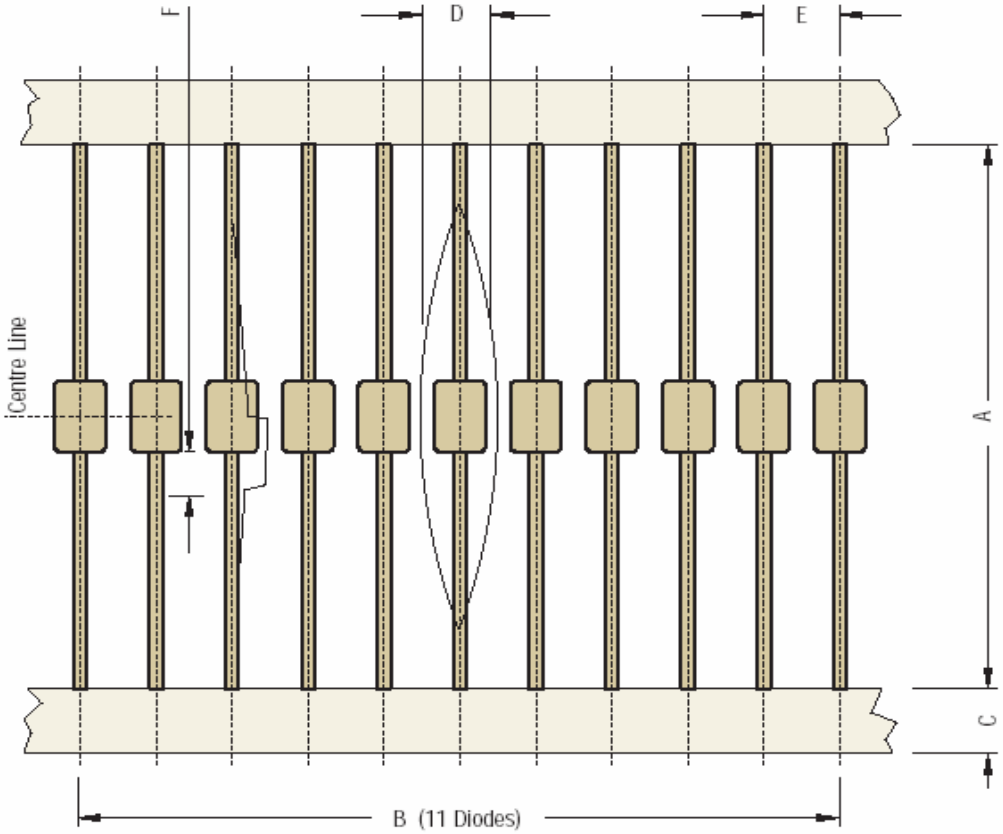
AXIAL TAPE FOR DO-201AD



DO-201AD 52 mm Tape		
DIM	**Min**	**Max**
A	50.0	54.0
B	95.0	105.0
C	5.60	6.50
D		1.5R
E	9.50	10.50
F		1.25

All Dimensions are in mm

TAPE SPECIFICATIONS

1. 300 mm (Min) leader tape on every roll.
2. No. of empty places allowed 0.25% without consecutive empty places.
3. Ends of leads shall normally not protrude beyond the tapes.
4. Components shall be held sufficiently in the tape or tapes so that they can not come free in normal handling.

Component Disposal Instructions

1. CDIL Semiconductor Devices are RoHS compliant, customers are requested to please dispose as per prevailing Environmental Legislation of their Country.
2. In Europe, please dispose as per EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

Customer Notes

Disclaimer

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