

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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Features

- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- Glass sealed envelope.
- High speed. (t_{rr}=1.2ns Typ)
- High reliability.
- Silicon epitaxial planar
- · Marking: Cathode band and type number
- Moisture Sensitivity Level 1

Absolute maximum Ratings

Symbol	Rating	Rating	Unit
V_{RM}	Peak Reverse Voltage	90	V
V_R	DC Reverse Voltage	80	V
I _{FM}	Peak Forward Current	400	mA
lo	Mean Rectifying Current	130	mA
Isurge	Surge Current (1s)	600	mA
P_{D}	Power Dissipation	300	mW
T_J	Operating Junction Temperature	-55 to +150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

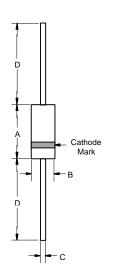
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units	
OFF CHARACTERISTICS					
V_{F}	Forward Voltage (I _F =100mAdc)		1.2	Vdc	
I _R	Reverse Current (V _R =80Vdc)		0.5	uAdc	
C _T	Capacitance Between Terminals $(V_R=0.5Vdc, f=1.0MHz)$		2.0	pF	
trr	Reverse Recovery Time (VR=6.0Vdc, I ₌ =10mAdc, R _i =50OHM)		4.0	ns	

Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 5.

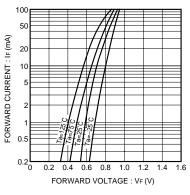
High Speed Switching Diode

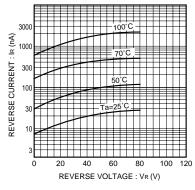
DO-35



INCHES MM	
DIM MIN MAX MIN MAX NOTE	
A166 4.2	
B079 2.00	
C02052	
D 1.000 25.40	







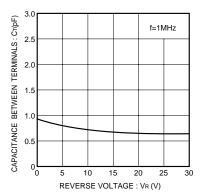
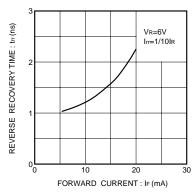
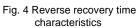


Fig. 1 Forward characteristics

Fig. 2 Reverse characteristics

Fig. 3 Capacitance between terminals characteristics





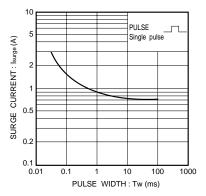


Fig.5 Surge current characteristics

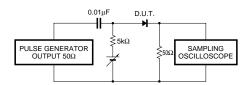


Fig. 6 Reverse recovery time (trr) measurement circuit



Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel
Part Number-AP	Ammo Packing: 5Kpcs/AmmoBox
Part Number-BP	Bulk: 100Kpcs/Carton

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