

COMPUTER DIODE

Switching

BAY41-BAY43
BAY60
BAX12

T-03-09

FEATURES

- Metallurgical Bond
- Planar Passivated
- DO-35

DESCRIPTION

This series offers Metallurgical Bonding and is very popular for general purpose switching applications.

ABSOLUTE MAXIMUM RATINGS, AT 25°C

	BAY41	BAY42	BAY43	BAY60	BAX12
Peak Reverse Voltage	40V	60V	80V	25V	90V
Average Rectified Current	225mA	225mA	225mA	115mA	400mA
Peak Forward Current	600mA	600mA	600mA	225mA	800mA
Operating Temperature Range	-65°C to +150°C				
Storage Temperature Range	-65°C to +200°C				

ELECTRICAL SPECIFICATIONS (at 25°C unless noted)

Type	Peak Inverse Voltage	Maximum Forward Voltage						Reverse Current		Junction Capacitance @ 0V	Reverse Recovery Time T_{rr} Condition 10/10/1
		@ 10mA	@ 30mA	@ 50mA	@ 100mA	@ 200mA	@ 400mA	V_R	μA		
		V	V	V	V	V	V	V	μA		
BAY41	40	—	—	—	—	1.0	—	40	5	5	8.5
BAY42	60	—	—	—	—	1.0	—	60	5	5	15
BAY43	80	—	—	—	—	1.0	—	80	5	5	15
BAY60	25	—	1.0	—	—	—	—	25	.1	4	4
BAX12*	90	.75	—	.84	.90	1.0	1.25	90	100	20	15

*Maximum reverse energy 5mW/second.

MECHANICAL SPECIFICATIONS

