

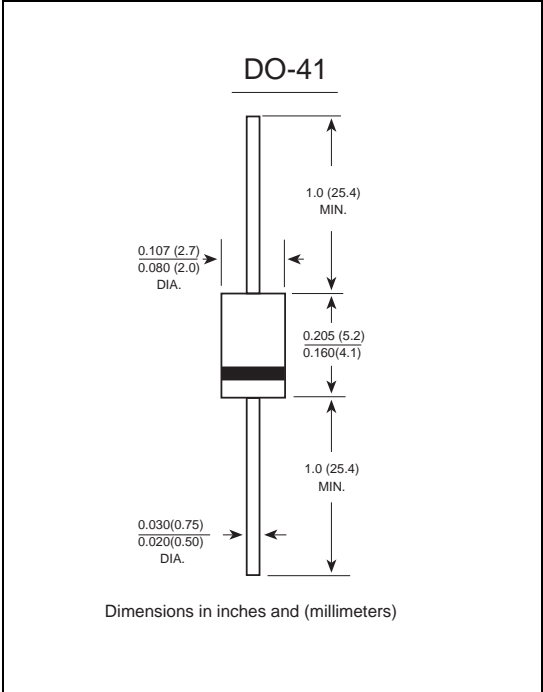
DB4
BIDIRECTIONAL TRIGGER DIODE
Reverse Voltage - 40 Volts Power: 150mW

Features

- ◆ The plastic package
 - ◆ VBO:35-45V version
 - ◆ Low breakover current
 - ◆ High temperature soldering guaranteed
- 260 °C/10 seconds,0.375 (9.5mm) lead length,
5 lbs. (2.3kg) tension

Mechanical Data

Case: JEDEC DO-41 molded plastic body
Terminals: Plated axial leads, solderable per MIL-STD-750, Method 2026
Polarity: Color band denotes cathode end
Mounting Position: Any
Weight :0.012 ounce, 0.33 grams



Maximum Ratings And Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

	TEST CONDITION	SYMBOLS	VALUE			UNITS
			Min.	Typ.	Max.	
Breakover voltage *	C=22nF **	V _{BO}	35	40	45	VOLTS
Breakover voltage symmetry	C=22nF **	I+V _{BO} I-I-V _{BO} I	-3		3	VOLTS
Dynamic breakover voltage *	(NOTE 1)	ΔV±I	5			VOLTS
Output voltage *	DIAGRAM2	V _O	5			VOLTS
Breakover current *	C=22nF **	I _{BO}			100	μA
Rise time *	DIAGRAM3	tr		1.5		μS
Leakage current *	V _R =0.5V _{BO}	I _B			10	μA
Power dissipation on printed circuit	T _A =65°C	P _d			150	mW
Repetitive peak on-state current	tp=20μs f=100Hz	I _{TRM}			2	A
Thermal Resistances from Junction to ambient		R _{θJA}			400	°C/W
Thermal Resistances from Junction to lead		R _{θJL}			150	°C/W
Operating junction and storage temperature range		T _J ,T _{STG}	-40		125	°C

* :Electrical characteristic appoicaboe in forward and reverse directions.
** :Connected in parallel with the devices.
Note 1:I_{BO} from I_{BO} to 10mA