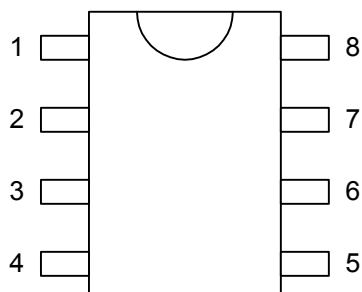


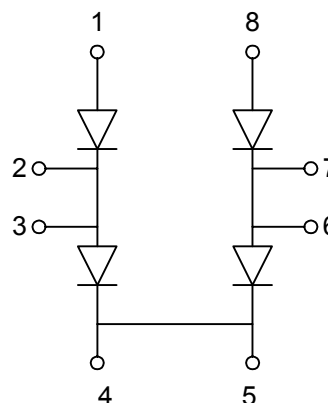
IW0140A4

ULTRAFAST RECTIFIER DIODE ARRAY

Pinning



Electric scheme



Ultrafast diode array designed for use in systems of protection of telephone lines from overvoltage.
The device is available in DIP-8 case

MAXIMUM RATINGS (for every diode of assembly)

Rating	Symbol	Mode of measurement	Value	Unit
Peak Repetitive Reverse Voltage	U_{RR}		400	V
Peak Rectified Forward Current	I_F	$T=1 \text{ sec}$ $Q=50$	0,4	A
Operating Junction Temperature	T_J		150	°C
Storage Temperature	T_{STG}		-40-150	°C
Thermal resistance junction to ambient	R_{thj-a}		140	°C/W

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ELECTRICAL CHARACTERISTICS (for every diode of assembly) for $T_{AMB}=25^{\circ}\text{C}$

Rating	Symbol	Mode of measurement	Value	Unit
Maximum Instantaneous Forward Voltage*	U_F	$I_F=1\text{A}$	1,75	V
Maximum Instantaneous Reverse Current*	I_R	$U_R=400\text{B}$	100	μA
Maximum Reverse Recovery Time	t_{Rr}	$I_F=1 \text{ A,}$ $di/dt=50 \text{ A}/\mu\text{s,}$	100	ns

