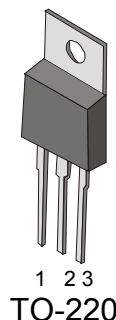


# IWR 0520F; IWR0520FM; IWR0520U; IWR 0260U; IWR0520UM

## HIGH VOLTAGE FAST RECTIFIER DIODES & DIODES ARRAYS



### MAXIMUM RATINGS

Rating	Symbol	IWR 0520F IWR 0520FM	IWR 0520U	IWR 0260 U	IWR 0520UM	Unit.
Peak Repetitive Reverse Voltage	$U_{RR}$	200	200	600	200	V
Peak Rectified Forward Current $t_j=175^\circ\text{C}$	$I_F$	5	5	2	5	A
Nonrepetitive Peak Surge Current , $t \leq 8 \text{ ms}$	$I_{FS}$	35	35	14	35	A
Operating Junction Temperature	$T_J$	+175				$^\circ\text{C}$
Storage Temperature	$T_{STG}$	-65 ... +175				$^\circ\text{C}$

### ELECTRICAL CHARACTERISTICS for $T_{AMB}=25^\circ\text{C}$

Rating (Mode of measure)	Symbol	IWR 0520F IWR 0520FM	IWR 0520U	IWR 0260 U	IWR 0520UM	Unit.
Maximum Instantaneous Forward Voltage * ( $I_{FMAX}$ )	$U_R$	1,1	1,2	1,7	1,2	V
Maximum Instantaneous Reverse Current * ( $U_{RRMAX}$ )	$I_R$	50				$\mu\text{A}$
Maximum Reverse Recovery Time ( $I_F=1 \text{ A}$ , $di/dt=50 \text{ A}/\mu\text{s}$ , $U_{RR}=30 \text{ V}$ , $I_{REC}=10\% I_R$ )	$t_{REC}$	250	25	60	25	Ns
Maximum Thermal Resistance, Junction to Case	$R_{\theta JC}$	4,5				$^\circ\text{C}/\text{W}$

\*  $t_p \leq 300 \mu\text{s}$ ,  $Q \geq 50$

IWR 0520F; IWR0520U; IWR 0260U – diodes (pinning: pin 2 – cathode , pin 3 - anode)

IWR0520FM; IWR0520UM – diode array with common cathode (pinning: pin 1- anode 1, pin 2- common cathode, pin 3 - anode 2)



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