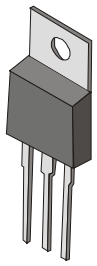
IWR 0520F; IWR0520FM; IWR0520U; IWR 0260U; IWR0520UM

HIGH VOLTAGE FAST RECTIFIER DIODES & DIODES ARRAYS



1 2 3
TO-220

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°C	I_F	5	5	2	5	A
Nonrepetitive Peak Surge Current , t ≤ 8 ms	I_{FS}	35	35	14	35	A
Operating Junction Temperature	T_J	+175				°C
Storage Temperature	T_{STG}	-65 … +175				°C

ELECTRICAL CHARACTERISTICS for T_{AMB}=25°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})	$I_{F.}$	50				μA
Maximum Reverse Recovery Time (I_F=1 A, di/dt=50 A/μs, U_{RR}=30 V, I_{REC}=10% I_R)	t_{REC}	250	25	60	25	Ns
Maximum Thermal Resistance, Junction to Case	$R_{\theta JC}$	4,5				°C/W

* tp ≤ 300 μs, Q ≥ 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)

Korzhenevsky 12, Minsk, 220108, Republic of Belarus
Fax: +375 (17) 278 28 22,
Phone: +375 (17) 278 07 11, 212 24 70, 212 24 61, 212 69 16
E-mail: office@bms.by
URL: www.bms.by

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