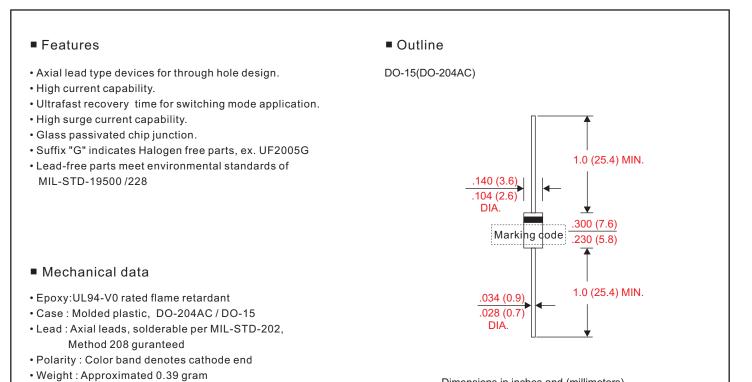
# **IC**

## **UF2005 THRU UF210**

### 2A Leaded Type Ultra Fast Rectifiers



Dimensions in inches and (millimeters)

#### Maximum ratings and electrical characteristics

Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
Forward rectified current		I <sub>o</sub>			2.0	А
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	nposed on I <sub>FSM</sub>			50	А
-	$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$				5.0	uA
Reverse current	$V_{R} = V_{RRM} T_{A} = 125^{\circ}C$	I <sub>R</sub>			100	
Diode junction capacitance	f=1MHz and applied 4V DC reverse voltage	C		30		pF
Storage temperature		T <sub>stg</sub>	-55		+150	°C

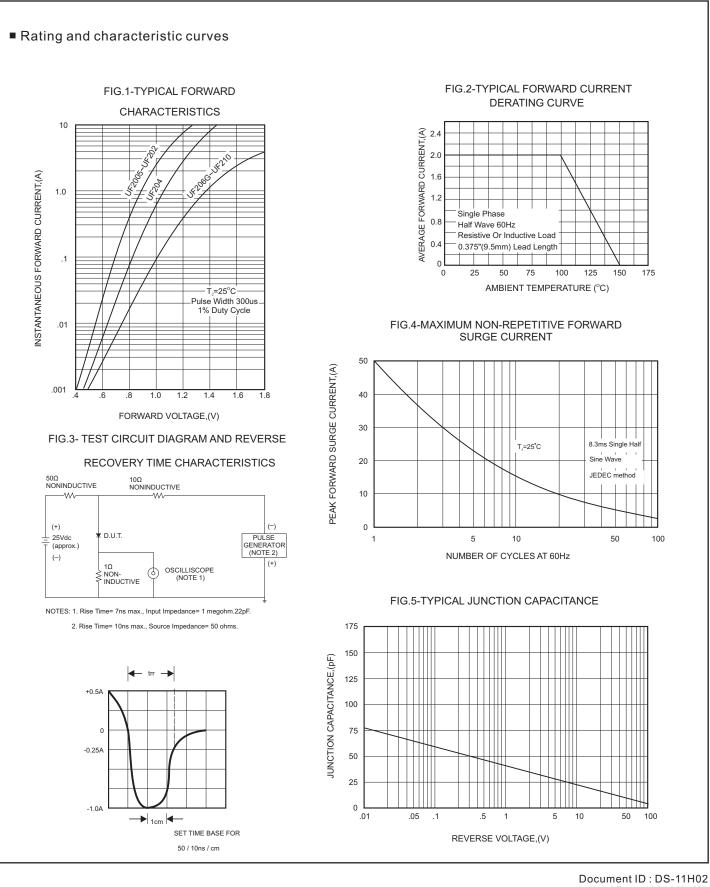
	-				-	-				
Symbol	Marking code	Max. repetitive peak reverse voltage V <sub>RRM</sub> (V)	Max. RMS voltage V <sub>RMS</sub> (V)	$\begin{array}{c} \text{Max. DC} \\ \text{blocking voltage} \\ V_{\text{R}}\left( V \right) \end{array}$	Max. forward voltage @2A, $T_A = 25^{\circ}C$ $V_F(V)$	Max. reverse recovery time(1) T <sub>rr</sub> (ns)	Operating temperature T <sub>J</sub> (°C)			
UF2005	UF2005	50	35	50			-55 ~ +150			
UF201	UF201	100	70	100	1.0	50				
UF202	UF202	200	140	200						
UF204	UF204	400	280	400	1.40					
UF206	UF206	600	420	600						
UF208	UF208	800	560	800	1.70	75				
UF210	UF210	1000	700	1000						
Note : 1. I <sub>F</sub> = 0.5A, I <sub>R</sub> = 1.0A, I <sub>RR</sub> = 0.25A										

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