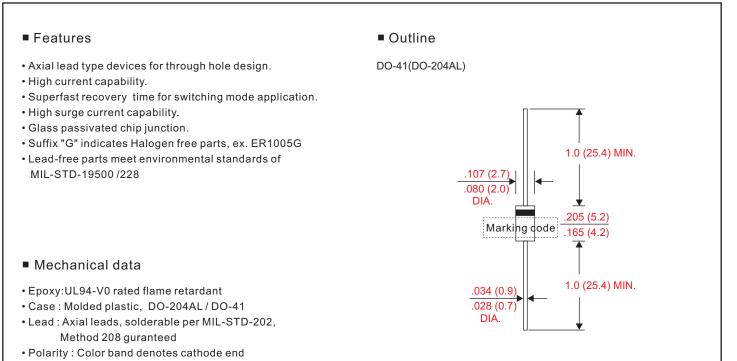
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ER1005 THRU ER110

1A Leaded Type Super Fast Rectifiers



Dimensions in inches and (millimeters)

Maximum ratings and electrical characteristics

• Weight : Approximated 0.33 gram

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%.

	1					
Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
Forward rectified current		I _o			1.0	А
Forward surge current	t 8.3ms single half sine-wave superimposed on rate load (JEDEC method)				30	А
	$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$				1.0	uA
Reverse current	$V_{R} = V_{RRM} T_{A} = 125^{\circ}C$	I _R			300	
Diode junction capacitance	f=1MHz and applied 4V DC reverse voltage	C」		50		pF
Storage temperature		T _{stg}	-50		+150	°C

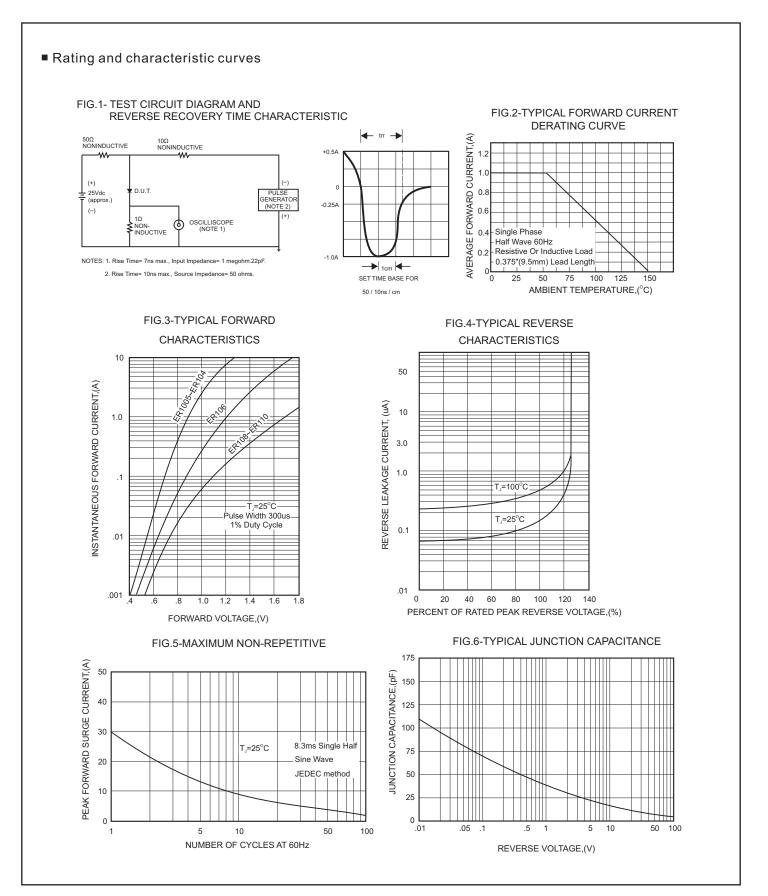
Symbol	Marking code	Max. repetitive peak reverse voltage V _{RRM} (V)	Max. RMS voltage V _{RMS} (V)	Max. DC blocking voltage V _R (V)	Max. forward voltage @1A, T _A = 25°C V _F (V)	Max. reverse recovery time(1) T _{rr} (ns)	Operating temperature T _J (°C)			
ER1005	ER1005	50	35	50			-50 ~ +150			
ER101	ER101	100	70	100	0.95					
ER102	ER102	200	140	200		35				
ER104	ER104	400	280	400	1.25					
ER106	ER106	600	420	600						
ER108	ER108	800	560	800	1.70	75				
ER110	ER110	1000	700	1000		15				
Note : 1. $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$										

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ER1005 THRU ER110

1A Leaded Type Super Fast Rectifiers

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