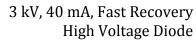
HL300





Features

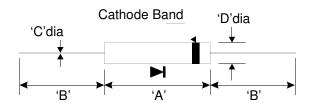
- Fast reverse recovery time for high efficiency
- Molded plastic body, ANSI/UL94 V-0 rated material
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II; Annex III, 7(a)



Device Electrical Characteristics

(25°C ambient temperature unless stated otherwise)	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage		$\mathbf{V}_{\mathbf{RRM}}$	3,000 Volts
Average Forward Current Maximum	$T_A = 55^{\circ}C$	IFAVM	40 mA
Maximum Forward Voltage Drop	$I_F = 40 \text{ mA}$	$\mathbf{V}_{\mathbf{F}}$	26 Volts
Maximum Surge Current Rating	8.3msec, half sine	I_{FSM}	3 Amps
Maximum Reverse Current	at rated V _{RRM}	I_R	1.0 μΑ
Maximum Reverse Recovery Time	I_F =40mA, I_R = 80mA, I_{RR} = 20mA	T_{RR}	100 ηsec
Typical Junction Capacitance	$f = 1MHz$, $V_R = 0 VDC$	$\mathbf{C}_{\mathbf{J}}$	0.3 pf
Maximum Junction Temperature	-	TJ	125°C
Storage Temperature Range	-	T _{STG}	-55°C to 150°C

		Min.		Max.	
Mechanical Data	Symbol	in.	mm	in.	mm
Body Length	A	-	-	0.40	10.2
Body Diameter	D	-	-	0.12	3.1
Lead Length	В	1.0	25.4	-	-
Lead Diameter	С	-	-	0.025	0.64



VERSION: 1.0

EFFECTIVE: MARCH 17, 2015