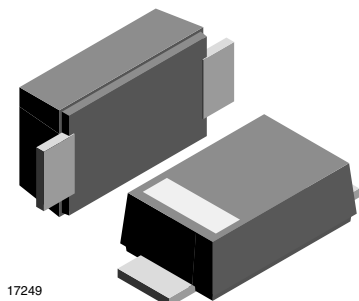








ELECTRICAL CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)							
PARAMETER	TEST CONDITION	PART	SYMBOL	MIN.	TYP.	MAX.	UNIT
Instantaneous forward voltage	$I_F = 0.5\text{ A}$ ⁽¹⁾	SL02-M	V_F		0.360	0.385	V
		SL03-M	V_F		0.395	0.43	V
		SL04-M	V_F		0.450	0.51	V
Typical instantaneous forward voltage	$I_F = 1.1\text{ A}$	SL02-M	V_F		0.420		V
		SL03-M	V_F		0.450		V
		SL04-M	V_F		0.530		V
Maximum DC reverse current at rated DC blocking voltage	$T_A = 25\text{ }^{\circ}\text{C}$	SL02-M	I_R			250	μA
	$T_A = 100\text{ }^{\circ}\text{C}$	SL02-M	I_R			8	mA
	$T_A = 25\text{ }^{\circ}\text{C}$	SL03-M	I_R			130	μA
	$T_A = 100\text{ }^{\circ}\text{C}$	SL03-M	I_R			6	mA
	$T_A = 25\text{ }^{\circ}\text{C}$	SL04-M	I_R			20	μA
	$T_A = 100\text{ }^{\circ}\text{C}$	SL04-M	I_R			6	mA
Reverse recovery time		SL02-M	t_{rr}			< 10	ns
		SL03-M	t_{rr}			< 10	ns
		SL04-M	t_{rr}			< 10	ns

Note

(1) Pulse test: 300 μs pulse width, 1 % duty cycle

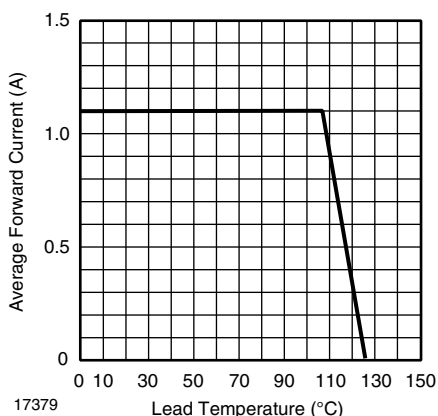
TYPICAL CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)

Fig. 1 - Forward Current Derating Curve

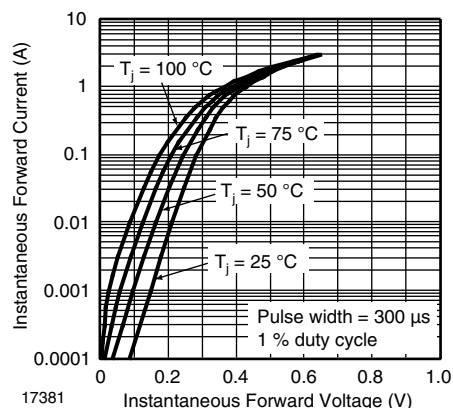


Fig. 3 - Typical Instantaneous Forward Characteristics - SL02

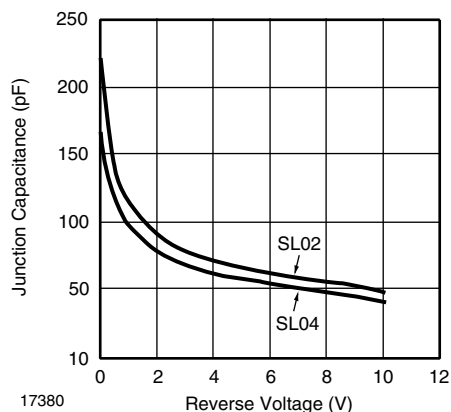


Fig. 2 - Typical Junction Capacitance

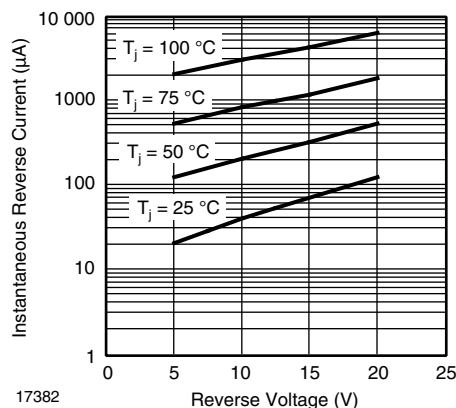


Fig. 4 - Typical Reverse Current Characteristics - SL02

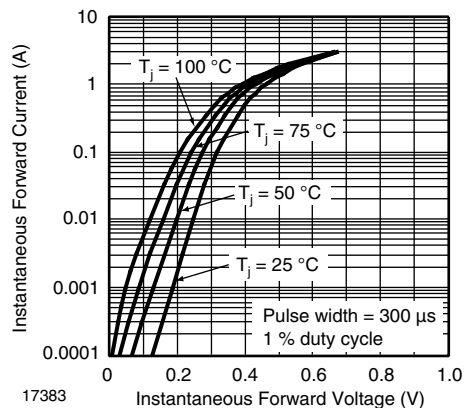


Fig. 5 - Typical Instantaneous Forward Characteristics - SL03

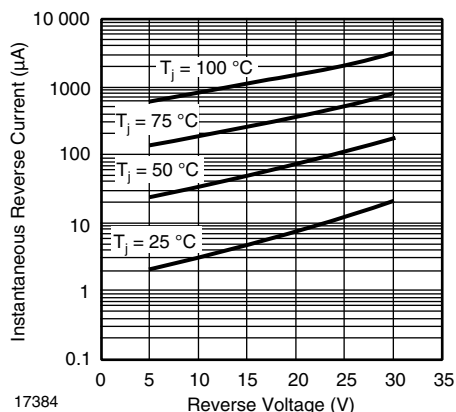
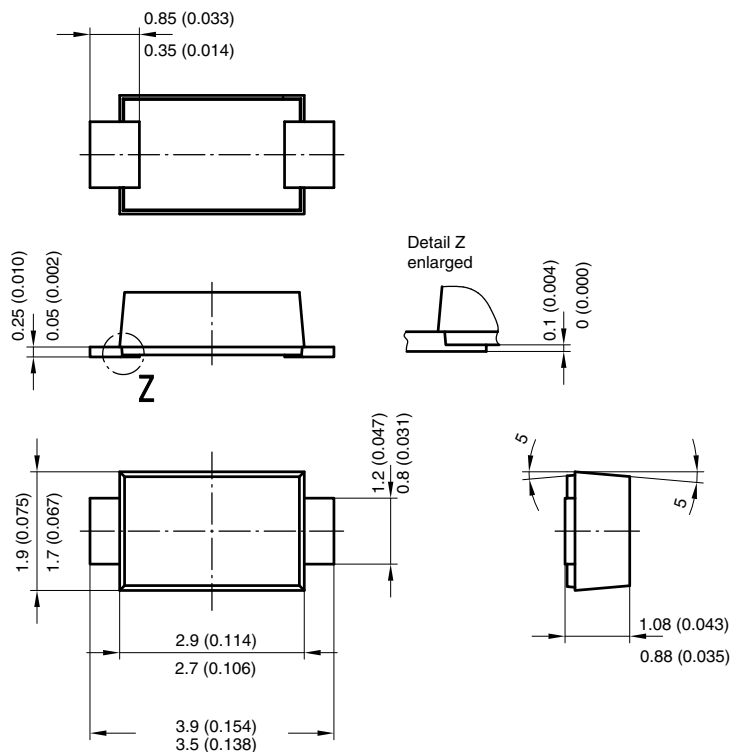
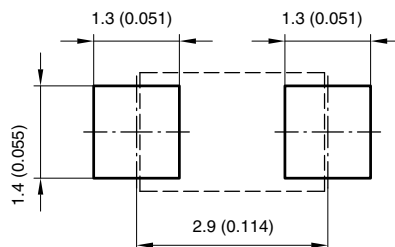


Fig. 6 - Typical Reverse Current Characteristics - SL03

PACKAGE DIMENSIONS in millimeters (inches): **DO-219AB (SMF)**


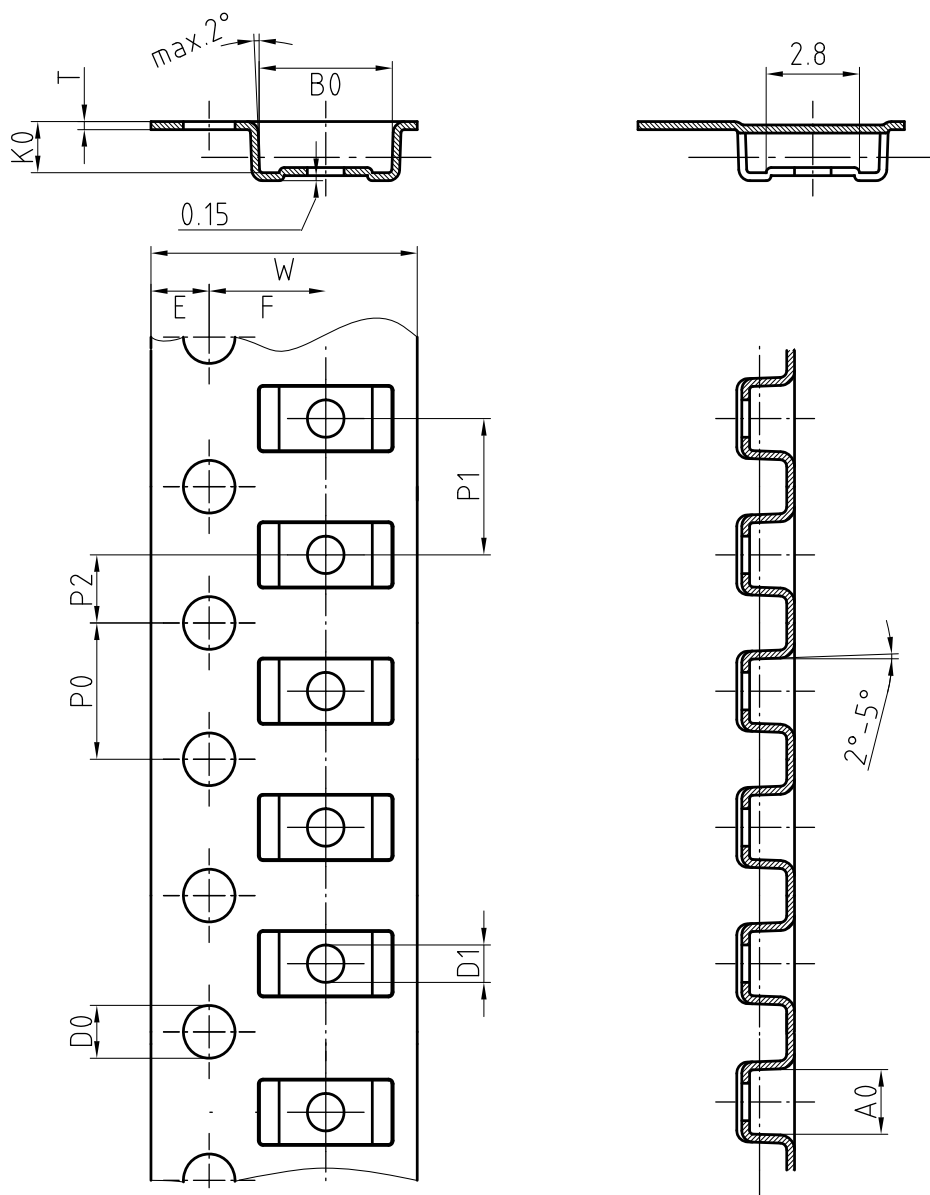
Foot print recommendation:



Created - Date: 15. February 2005
Rev. 3 - Date: 13. March 2007
Document no.: S8-V-3915.01-001 (4)
17247



BLISTERTAPE DIMENSIONS in millimeters: **DO-219 AB (SMF)**



Mat:	A0	B0	K0	W	T	P0	P2	P1	D0	D1	E	F
PS	1.9	4.0	1.5	8.0	0.235	4.0	2.0	4.0	1.5	1	1.75	3.5

Document-No.: S8-V-3717.02-001 (3)

18513



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