



# THE DATASHEET OF MICROSMD075-2



This product line is designed for surface-mount applications. The variety of sizes enables installation in limited space applications such as crowded printed circuit boards, digital cameras, PC cards, subnotebook computers, computer peripheral equipment, and general electronics. These devices are designed for applications where such space is constrained and resettable circuit protection is desired.

Figure 1

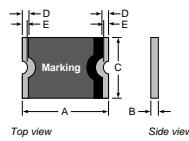


Figure 2

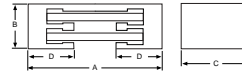
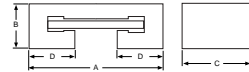


Figure 3



### nanoSMDC Series Size: 3216 (mm), 1206 (mils)

Part number	I <sub>H</sub> * (A)	V max. (Vdc)	I max. (A)	R <sub>min</sub> (Ω)	R <sub>1</sub> max. (Ω)	Agency recognition	Dimensions (millimeters/inches)					Fig.
							A (max.)	B (max.)	C (max.)	D (min.)		
nanoSMDC150	1.50	6	40	0.040	0.11	UL, TÜV, CSA	3.4 (0.134)	1.4 (0.055)	1.8 (0.071)	0.25 (0.010)	1	

\*Hold current @ 25°C.

### nanoSMDM Series Size: 3216 (mm), 1206 (mils)

Part number	I <sub>H</sub> * (A)	V max. (Vdc)	I max. (A)	R <sub>min</sub> (Ω)	R <sub>1</sub> max. (Ω)	Agency recognition	Dimensions (millimeters/inches)					Fig.
							A (max.)	B (max.)	C (max.)	D (min.)		
nanoSMDM012	0.125	30	10	1.500	6.00	UL, TÜV, CSA	3.4 (0.134)	1.2 (0.047)	1.8 (0.071)	0.75 (0.030)	3	
nanoSMDM016	0.160	30	10	1.200	4.50	UL, TÜV, CSA	3.4 (0.134)	1.2 (0.047)	1.8 (0.071)	0.75 (0.030)	3	
nanoSMDM050	0.500	6	40	0.150	0.70	UL, TÜV, CSA	3.4 (0.134)	1.2 (0.047)	1.8 (0.071)	0.75 (0.030)	3	
nanoSMDM075	0.750	6	40	0.100	0.29	UL, TÜV, CSA	3.4 (0.134)	1.2 (0.047)	1.8 (0.071)	0.75 (0.030)	3	
nanoSMDM100	1.000	6	40	0.060	0.21	UL, TÜV, CSA	3.4 (0.134)	1.2 (0.047)	1.8 (0.071)	0.75 (0.030)	3	

\*Hold current @ 25°C.

### microSMD Series Size: 3225 (mm), 1210 (mils)

Part number	I <sub>H</sub> (A)	V max. (Vdc)	I max. (A)	R <sub>min</sub> (Ω)	R <sub>1</sub> max. (Ω)	Agency recognition	Dimensions (millimeters/inches)					Fig.
							A (max.)	B (max.)	C (max.)	D (min.)	E (min.)	
microSMD005	0.05	30	10	3.60	50.00	UL, TÜV, CSA	3.43 (0.135)	0.85 (0.034)	2.80 (0.110)	0.25 (0.010)	0.20 (0.008)	1
microSMD010	0.10	30	10	2.10	15.00	UL, TÜV, CSA	3.43 (0.135)	0.85 (0.034)	2.80 (0.110)	0.25 (0.010)	0.20 (0.008)	1
microSMD035	0.35	6	40	0.32	1.30	UL, TÜV, CSA	3.43 (0.135)	0.62 (0.025)	2.80 (0.110)	0.25 (0.010)	0.20 (0.008)	1
microSMD050	0.50	13.2	40	0.25	0.90	UL, TÜV, CSA	3.43 (0.135)	0.62 (0.025)	2.80 (0.110)	0.25 (0.010)	0.20 (0.008)	1
microSMD075	0.75	6	40	0.11	0.40	UL, TÜV, CSA	3.43 (0.135)	0.62 (0.025)	2.80 (0.110)	0.25 (0.010)	0.20 (0.008)	1
microSMD110	1.10	6	40	0.07	0.21	UL, TÜV, CSA	3.43 (0.135)	0.48 (0.019)	2.80 (0.110)	0.25 (0.010)	0.20 (0.008)	1
microSMD150	1.50	6	40	0.04	0.11	UL, TÜV, CSA	3.43 (0.135)	1.22 (0.048)	2.80 (0.110)	0.25 (0.010)	0.20 (0.008)	1

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