# MSKSEMI 美森科













FSD

T١

TSS

MOV

GDT

PIFD

4532-xxx-LF-MS

Product specification





**Features** 

High insulation resistance: 1GΩ@100V

• Size design: 4.5\*3.2\*2.7mm

• Surge capability: 2KA@8/20us

• Very low capacitance:0.5pF@1MHz,0V

# **Applications**

AC Power

### **Reference News**

PACKAGE OUTLINE	Schematic Symbol
1812	12



# Electrical characteristics(T=25℃)

Model Name	DC spark- over Voltage	Tolerance of Vs	Max . Impulse Breakdown Voltage	Discharge Current (8/20us)	Minimum Insulation Resistan ce		Max. Capacitance 1 MHz
Model Name	100V/S		1KV/us	10 times			
	V	%	V	KA	Test Voltage DC(V)	(GΩ)	(Pf)
4532-075-LF-MS	75	±30	600	2	50	1	<0.5
4532-091-LF-MS	90	±30	600	2	50	1	<0.5
4532-150-LF-MS	150	±20	600	2	100	1	<0.5
4532-230-LF-MS	230	±20	800	2	100	1	<0.5
4532-301-LF-MS	300	±20	850	2	100	1	<0.5
4532-350-LF-MS	350	±20	950	2	100	1	<0.5
4532-401-LF-MS	400	±20	1000	2	100	1	<0.5
4532-471-LF-MS	470	±20	1 100	2	100	1	<0.5
4532-600-LF-MS	600	±20	1300	2	100	1	<0.5

#### Notes:

- 1) At delivery AQL 0.65 level II ISO 2828. 1-2003
- 2) In ionized mode
- 3) Terms and current waveforms in accordance with ITU-T Rec. K. 12; IEC 61643-21



**Environmental Reliability Characteristics** 

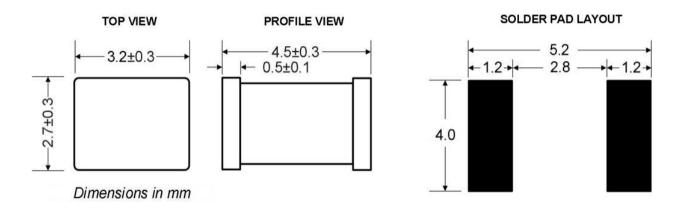
Testing items	Technical standards
High Temperature Storage Test	Temperature: 90 ℃ Time:2H
Low Temperature Storage Test	Temperature: -40 ℃ Time:2H
Vibration	Frequency: 10-500Hz Amplitude: 0 . 15 mm Time: 45 mins
Resistance of soldering heat	Temperature: $260 \pm 5 ^{\circ}\mathbb{C}$ Time of dip soldering: 10s, 1time

Note: Up-screen program can be specified by customer's request via contacting MSKSEMI service

## **Soldering parameters**

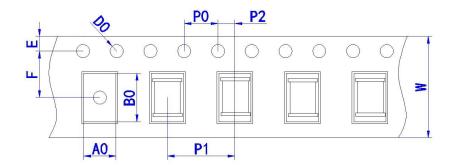
Solderability	SolderPotTemperature	245℃±5℃
	SolderDwellTime	4-6seconds

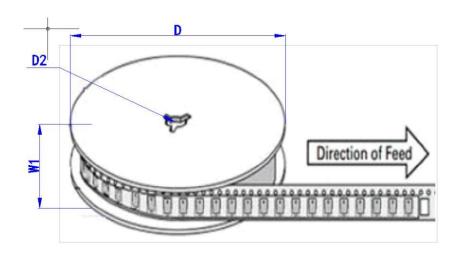
### Package mechanical data





# Tape & reel specification





Sym .	Dimensions(mm)	
A0	3.90±0.20	
В0	4.90±0.20	
D0	φ 1.50±0. 10	
E	1.75±0.20	
F	5.50±0.20	
P1	8.00±0.20	
P0	4.00±0.20	
P2	2.00±0.20	
W	12.00±0.30	
W1	16.80±2.00	
D	φ333±4.00	
D2	φ 13.±0.2	

# **Marking & Packeging Information**

Marking	Packaging	Reel Size
/	2500/Reel	330mm



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