## muRata Capacitor data sheet

## GRM188F51H223ZA01#

"#" indicates a package specification code.





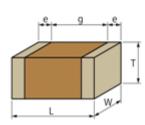




< List of part numbers with package codes >

GRM188F51H223ZA01D , GRM188F51H223ZA01J

Shape





L size  $1.6 \pm 0.1$ mm W size  $0.8 \pm 0.1$ mm  $0.8 \pm 0.1$ mm T size External terminal width e 0.2 to 0.5mm Distance between external terminals g 0.5mm min. Size code in mm(inch) 1608 (0603)

Specifications

Capacitance Rated voltage Temperature characteristics (complied standard)

Capacitance change rate Temperature range of temperature characteristics

Operating temperature range

22000pF +80/-20% 50Vdc

Y5V(EIA) +22.0/-82.0% -30 to 85 -30 to 85

144g

References

Pa	ackaging	Specifications	Minimum quantity
D	180mm Paper taping	4000	
J	330mm Paper taping	10000	
		Mass (typ.)	
1 piece		6.3mg	

1 of 1



180mm Reel

- 1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it 's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2. This datasheet has only typical specifications because there is no space for detailed specifications.

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