



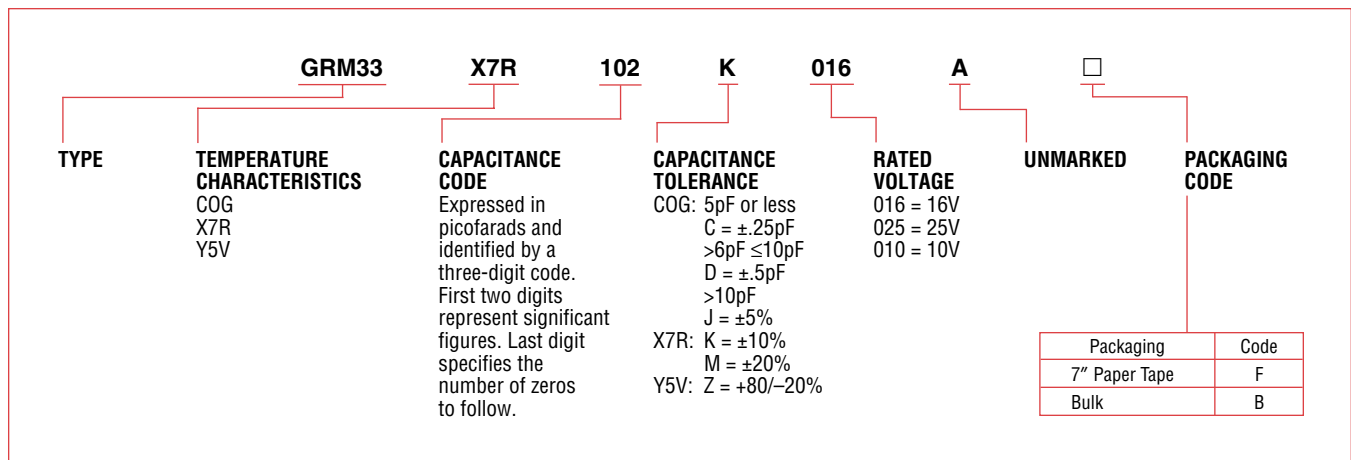
FEATURES

- Small chip size (L x W x T: 0.6 x 0.3 x 0.3mm)
- Terminations are made of metal highly resistant to migration.
- GRM33 type is suited to only reflow soldering.
- Stringent dimensional tolerances allow highly reliable, high speed automatic chip placements on PCBs.
- GRM33 Series are suited to miniature microwave module, portable equipment and high-frequency circuit.

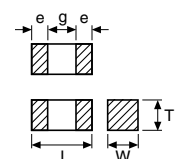
APPLICATIONS

- Miniature microwave module
- Portable equipment
- High-frequency circuit

PART NUMBERING SYSTEM



DIMENSIONS AND PACKAGING TYPES/QUANTITY

	Type	EIA Code	Dimensions: mm					Bulk (pcs./bag)	Taping (pcs./ $\phi 178\text{mm}$ reel)
			L Length	W Width	T Thickness	e Termination	g (min.) Insulation		
	GRM33	0201	0.6 ± 0.03	0.3 ± 0.03	0.3 ± 0.03	0.1 ~ 0.2	0.2	1000	15000

SPECIFICATIONS

Type	Temperature Characteristics	Temperature Coefficient	Temperature Range	Reference Temperature
GRM33	COG	$0 \pm 30\text{ppm}/^\circ\text{C}$	-55 ~ +125 $^\circ\text{C}$	25 $^\circ\text{C}$
	X7R	$\pm 15\%$		
	Y5V	+22%/-82%	-30 ~ +85 $^\circ\text{C}$	

CAPACITANCE RANGE TABLE (pF)

Type	Temperature Characteristics	DC Rated Voltage (V)		
		25	16	10
GRM33	COG	1 ~ 100	—	—
	X7R	—	100 ~ 1000	—
	Y5V	—	—	2200 ~ 10000