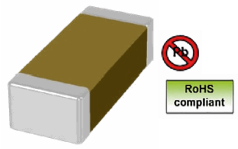
SMD Low Voltage Class II — Non Magnetic SMD

1206Y104KAFB

BREL International

DESCRIPTION

1206 X7R 100nF ±10% 50V AgPdPt Tape



FEATURES

- Precious Metal Electrode (PME)
- Temperature stable class II ceramic
- Tested in accordance to CECC 32100 and AEC-Q200
- Ag/Pd/Pt non magnetic termination suitable for soldering or epoxy bonding
- Non magnetic construction : precious metal inner electrodes
- Magnetic properties tested

ELECTRICAL PARAMETERS

CAPACITANCE :
100 nF ±10% at 1 kHz / 1 Vrms

OPERATING TEMPERATURE :
-55°C, +125°C

TEMPERATURE COEFFICIENT :
±15 % (X7R, EIA)

DISSIPATION FACTOR :
≤ 2.5 % at 1 kHz and 1 Vrms

INSULATION RESISTANCE (IR) :
≥ 10 GΩ at 25°C
≥ 1 GΩ at +125°C

DIELECTRIC STRENGTH TEST :
2.5 × Ur / 5 s = 125 V, 50 mA max charging current

MARKING :
Unmarked

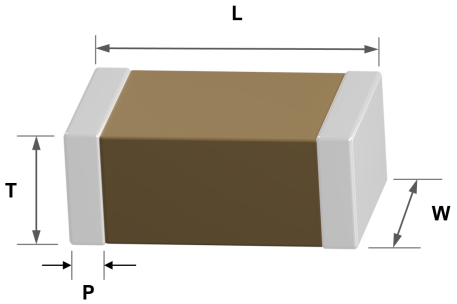
AGEING :
1.9 % per decade

ORDERING INFORMATION

1206	Y	104	K	A	F	B		-
SIZE	DIELECTRIC	CAPACITANCE	TOLERANCE	VOLTAGE	TERMINATION	PACKAGING	ELECTRODE	SCREENING
1206	X7R	100nF	+/- 10%	50 V	AgPdPt	Tape	Precious Metal Electrode (PME)	Standard

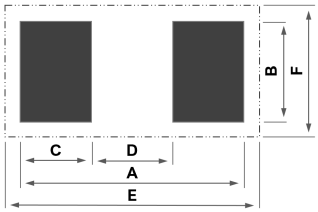
DIMENSIONS IN MILLIMETERS

	1206
Length (L)	3.20 ± 0.20
Width (W)	1.60 ± 0.20
Thickness (T)	0.90 - 1.70
Termination (P) min	0.25
Termination (P) max	0.70



RECOMMENDED FOOTPRINT

	IN MM
A	4.40
B	1.60
C	1.10
D	1.40
E	5.20
F	2.00



BREL International
2001 Whitfield Park Ave
Sarasota, FL 34243 USA

STANDARD PACKAGING

	7" (178 MM)
Carrier tape	Plastic tape · 12 mm
Pieces per 7" reel	2000
Pieces per 13" reel	8000
Max thickness for this packing	1.80 mm
Ordered packaging	7" reel — 2000 pcs / reel

REVISION HISTORY

REV	DATE	REDACTED BY	APPROVED BY	MODIFICATIONS
A	17/09/2026	PEF	ALU	Creation

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