

Surface Mount Niobium Oxide Capacitors
NOJ Series OxiCap™ Specifications, Pricing & Kits



Part Number Determination

NOJD107M006R					
NOJ	D	107	M	006	R
TYPE	CASE CODE	MATERIAL CODE	RESISTANCE CODE	TOLERANCE	PACKAGING
Std Oxicap	P=2012 A=3216 B=3528 C=6032 D=7343 E=7343H V=7361	in pF 2 significant digits and 3rd representing the number of zeros to follow	M=±20%	004=4V 006=6.3V	R=7" T/R S=13" T/R

Electrical Characteristics

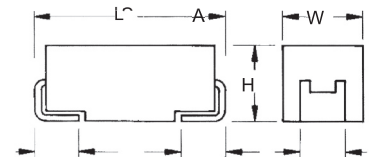
Capacitance Range: 10uF - 330uF
Tolerance: ±20%
Operating Temperature: -55 to +105°C
Leakage Current DCL: 0.02CV

Features

- Niobium Oxide Anode
- Low Voltage
- EIA case sizes equivalent to tantalum capacitors
- Stable parameters under lead-free reflow conditions
- Laser coded orange resin gives lot traceability
- 95% Reduced ignition failure mode compared to conventional tantalum capacitors

Package Dimensions (mm/in)

Size Code	EIA Code	L ±0.2 ±(0.008)	W +0.2-0.1 (+0.008-0.004)	H +0.2-0.1 (+0.008-0.004)	W ±0.2 ±(0.008)	A +0.3-0.2 (+0.012-0.008)	S Min
A	3216-18	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)	1.2 (0.047)	0.8 (0.031)	101 (0.043)
B	3528-21	3.5 (0.138)	3.8 (0.110)	1.9 (0.075)	2.2 (0.087)	0.8 (0.031)	1.4 (0.055)
C	6032-28	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	7343-31	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
E	7343-43	7.3 (0.287)	4.3 (0.169)	4.1 (0.162)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)



Electrical Characteristics

Part Number	Case Size	Capacitance uF	Rated Voltage V	DCL Max uF	DF Max %	ESR Max @ 100KHz ohm	100KHz Ripple Current (A)			100KHz Ripple Voltage (V)		
							25°C	85°C	125°C	25°C	85°C	125°C
NOJA106M006R	A	10	6.3	1.2	6	4	0.226	0.203	0.090	0.0452	0.406	0.181
NOJB226M006R	B	22	6.3	2.64	6	2.5	0.232	0.209	0.093	0.440	0.396	0.176
NOJC476M006R	C	47	6.3	5.7	6	0.5	0.514	0.462	0.206	0.257	0.231	0.103
NOJC107M004R	C	100	4	8.0	6	1.3	0.574	0.517	0.230	0.230	0.207	0.092
NOJD107M006R	D	100	6.3	12.0	6	0.9	0.671	0.604	0.268	0.268	0.241	0.107
NOJE227M006R	E	220	6.3	26.4	12	0.9	0.704	0.633	0.281	0.281	0.253	0.113
NOJE337M006R	E	330	6.3	39.6	12	0.9	0.812	0.731	0.325	0.244	0.219	0.097

Mfg Specs

- Go to www.garrettelec.com
- Enter part number or find by description
- Select "S", select "manufacturer's specifications"