

AVX Automotive MLCC



AVX MH CERAMIC CAPACITORS

Lead Free Ceramic Capacitor in Molded SM Leadframe



AVX are pleased to introduce the MH range of multilayer ceramic capacitors. The MH components are surface mount molded parts with a multilayer ceramic insert. MH capacitors combine the ceramic attributes of very low ESR, non polar construction, excellent high frequency behaviour, excellent voltage stress capabilities and wide temperature range, with the enhanced mechanical protection of a molded case. The MH range provides a lead free solution to customers who have previously been unable to use large case ceramic capacitors because of mechanical stressing concerns.



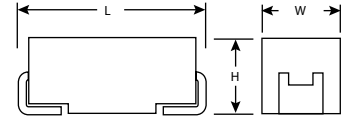
For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp Coeff.	Value pF	Volt	Price Each			Reel Qty	Price Per Piece
					1	10	100		
581-MHV11C105MAT2A	MHV11C105MAT2A	X7R	1.0	100				400	
581-MHV11C155MAT2A	MHV11C155MAT2A	X7R	1.5	100				400	
581-MHV11C225MAT2A	MHV11C225MAT2A	X7R	2.2	100				400	
581-MHV15C475MAT2A	MHV15C475MAT2A	X7R	4.7	50				400	
581-MHV13C106MAT2A	MHV13C106MAT2A	X7R	10	25				400	
581-MHV15C106MAT2A	MHV15C106MAT2A	X7R	10	50				400	
581-MHV13C226MAT2A	MHV13C226MAT2A	X7R	22	25				400	

- Tin plated
- 7" reel

DIMENSIONS: mm (in.)

L	W	H
L±0.20(0.008)	W+0.20(0.008) -0.10(0.004)	H+0.20(0.008) -0.10(0.004)
7.30 (0.287)	6.10 (0.240)	3.45±0.30 (0.136±0.012)



Ceramic Caps, SMD

AVX AUTOMOTIVE MLCC

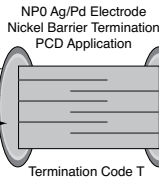
AVX Corporation has supported the automotive industry requirements for multilayer ceramic capacitors consistently for more than 10 years. Products have been developed and tested specifically for automotive applications and all manufacturing facilities are QS9000 and VDA 6.4 approved

As part of AVX's sustained investment in capacity and state of the art technology, they are now transitioning from the established Pd/Ag electrode system to a Base Metal Electrode system (BME).

AVX is using AECQ200 as the qualification vehicle for this transition. A detailed qualification package is available on request and contains results on a range of part numbers including:

- X7R dielectric components containing BME electrode and copper terminations with a Ni/Sn plated overcoat
- COG/NPO dielectric components containing Pd/Ag electrode and silver termination with a Ni/Sn plated overcoat

NPO Dielectric



RoHS Compliant

DIMENSIONS: mm (in.)

Size	0603	0805	1206	1210
Length (L)	1.60 ± .15 (.063 ± .006)	2.01 ± .20 (.079 ± .008)	3.20 ± 0.20 (.126 ± .008)	3.20 ± 0.20 (.126 ± .008)
Width (W)	.81 ± .15 (.032 ± .006)	1.25 ± .20 (.049 ± .008)	1.60 ± 0.20 (.063 ± .008)	2.50 ± 0.20 (.098 ± .008)
Thickness (t)	.80 ± .10 (.014 ± .006)	1.25 ± .20 (.020 ± .010)	0.50 ± 0.25 (.020 ± .010)	0.50 ± 0.25 (.020 ± .010)

MOUSER STOCK NO.	AVX Part Number	Temp Coeff.	Value pF	Volt	Tol. ± %	Price Each				Reel Qty	Price Per Piece
						1	100	500	1000		
Style 0603											
581-0603A100J4	0603A100J4T2A	C0G	10	50	5						4000
581-0603A220J4	0603A220J4T2A	C0G	22	50	5						4000
581-0603A330J4	0603A330J4T2A	C0G	33	50	5						4000
581-0603A470J4	0603A470J4T2A	C0G	47	50	5						4000
581-0603A680J4	0603A680J4T2A	C0G	68	50	5						4000
581-0603A101J4	0603A101J4T2A	C0G	100	50	5						4000
581-0603A221J4	0603A221J4T2A	C0G	220	50	5						4000
581-0603A331J4	0603A331J4T2A	C0G	330	50	5						4000
581-0603A471J4	0603A471J4T2A	C0G	470	50	5						4000
581-0603C102K4	0603C102K4T2A	X7R	1000	50	10						4000
581-0603C222K4	0603C222K4T2A	X7R	2200	50	10						4000
581-0603C332K4	0603C332K4T2A	X7R	3300	50	10						4000
581-0603C472K4	0603C472K4T2A	X7R	4700	50	10						4000
581-0603C682K4	0603C682K4T2A	X7R	6800	50	10						4000
581-0603C103K4	0603C103K4T2A	X7R	10000	50	10						4000
581-0603C223K4	0603C223K4T2A	X7R	22000	50	10						4000
581-0603C333K4	0603C333K4T2A	X7R	33000	50	10						4000
581-0603C473K4	0603C473K4T2A	X7R	47000	50	10						4000
581-0603C104K4	0603C104K4T2A	X7R	0.1µF	25	10						4000
581-0603C104K4	0603C104K4T2A	X7R	0.1µF	50	10						4000
581-0603Y104K4	0603Y104K4T2A	X7R	0.1µF	16	10						4000
581-0603F102K4	0603F102K4T2A	X8R	1000	50	10						4000
581-0603F103K4	0603F103K4T2A	X8R	10000	50	10						4000
581-0603F473K4	0603F473K4T2A	X8R	47000	50	10						4000
581-0603F683K4	0603F683K4T2A	X8R	68000	25	10						4000

MOUSER STOCK NO.	AVX Part Number	Temp Coeff.	Value pF	Volt	Tol. ± %	Price Each				Reel Qty	Price Per Piece
						1	100	500	1000		
Style 0805											
581-0805A100J4	0805A100J4T2A	C0G	10	100	5						4000
581-0805A220J4	0805A220J4T2A	C0G	22	100	5						4000
581-0805A330J4	0805A330J4T2A	C0G	33	100	5						4000
581-0805A470J4	0805A470J4T2A	C0G	47	100	5						4000
581-0805A680J4	0805A680J4T2A	C0G	68	100	5						4000
581-0805A101J4	0805A101J4T2A	C0G	100	100	5						4000
581-0805A221J4	0805A221J4T2A	C0G	220	100	5						4000
581-0805A331J4	0805A331J4T2A	C0G	330	100	5						4000
581-0805A471J4	0805A471J4T2A	C0G	470	100	5						4000
581-0805A681J4	0805A681J4T2A	C0G	680	100	5						4000
581-0805A102J4	0805A102J4T2A	C0G	1000	100	5						4000
581-0805C102K4	0805C102K4T2A	X7R	1000	50	10						4000
581-0805C222K4	0805C222K4T2A	X7R	2200	50	10						4000
581-0805C332K4	0805C332K4T2A	X7R	3300	50	10						4000
581-0805C472K4	0805C472K4T2A	X7R	4700	50	10						4000
581-0805C682K4	0805C682K4T2A	X7R	6800	50	10						4000
581-0805C103K4	0805C103K4T2A	X7R	10000	100	10						4000
581-0805C103K4	0805C103K4T2A	X7R	10000	50	10						4000
581-0805C223K4	0805C223K4T2A	X7R	22000	100	10						4000
581-0805C223K4	0805C223K4T2A	X7R	22000	50	10						4000
581-0805C333K4	0805C333K4T2A	X7R	33000	50	10						4000
581-0805C473K4	0805C473K4T2A	X7R	47000	100	10						2000
581-0805C473K4	0805C473K4T2A	X7R	47000	50	10						4000
581-0805C683K4	0805C683K4T2A	X7R	68000	50	10						4000

MOUSER STOCK NO.	AVX Part Number	Temp Coeff.	Value pF	Volt	Tol. ± %	Price Each				Reel Qty	Price Per Piece
						1	100	500	1000		
Style 0805 (Cont.)											
581-0805C104K4	0805C104K4T2A	X7R	0.1µF	100	10						2000
581-0805C104K4	0805C104K4T2A	X7R	0.1µF	50	10						4000
581-0805C224K4	0805C224K4T2A	X7R	0.22µF	50	10						4000
581-0805C334K4	0805C334K4T2A	X7R	0.33µF	25	10						2000
581-0805C474K4	0805C474K4T2A	X7R	0.47µF	25	10						2000
581-0805C105K4	0805C105K4T2A	X7R	1.0µF	25	10						2000
581-0805C105K4	0805C105K4T2A	X7R	1.0µF	10	10						2000
581-0805F102K4	0805F102K4T2A	X8R	1000	50	10						4000
581-0805F103K4	0805F103K4T2A	X8R	10000	50	10						4000
581-0805F333K4	0805F333K4T2A	X8R	33000	50	10						4000
581-0805F473K4	0805F473K4T2A	X8R	47000	50	10						4000
581-0805F104K4	0805F104K4T2A	X8R	0.1µF	50	10						4000

MOUSER STOCK NO.	AVX Part Number	Temp Coeff.	Value pF	Volt	Tol. ± %	Price Each				Reel Qty	Price Per Piece
						1	100	500	1000		
Style 1206											
581-1206A100J4	1206A100J4T2A	C0G	10	500	5						4000
581-1206C102K4	1206C102K4T2A	X7R	1000	100	10						4000
581-1206C102K4	1206C102K4T2A	X7R	1000	50	10						4000
581-1206C103K4	1206C103K4T2A	X7R	10000	100	10						4000
581-1206C103K4	1206C103K4T2A	X7R	10000	50	10						4000
581-1206C223K4	1206C223K4T2A	X7R	22000	50	10						4000
581-1206C333K4	1206C333K4T2A	X7R	33000	50	10						4000
581-1206C104K4	1206C104K4T2A	X7R	0.1µF	100	10						2000
581-1206C104K4	1206C104K4T2A	X7R	0.1µF	50	10						4000
581-1206C224K4	1206C224K4T2A	X7R	0.22µF	100	10						2000
581-1206C224K4	1206C224K4T2A	X7R	0.22µF	50	10						2000
581-1206C334K4	1206C334K4T2A	X7R	0.33µF	50	10						2000
581-1206C474K4	1206C474K4T2A	X7R	0.47µF	50	10						2000
581-1206C105K4	1206C105K4T2A										