

## Multilayer Ceramic Chip Capacitors

May 23, 2024  
Simple Model

Commercial Grade, High Temperature Application / C3216 series (1/3)

### Circuit Diagram



### Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C3216NP02A392J060AA	3,900	0.750	0.0231	10.0
C3216NP02J392J085AA	3,900	0.750	0.0299	10.0
C3216NP01H472J060AA	4,700	0.750	0.0364	10.0
C3216NP02J472J085AA	4,700	0.750	0.0292	10.0
C3216NP02A472J085AA	4,700	0.750	0.0288	10.0
C3216NP02A562J085AA	5,600	0.750	0.0270	10.0
C3216NP02J562J115AA	5,600	0.750	0.0243	10.0
C3216NP01H682J060AA	6,800	0.750	0.0299	10.0
C3216NP02J682J115AA	6,800	0.750	0.0218	10.0
C3216NP02W682J115AA	6,800	0.750	0.0238	10.0
C3216NP02A682J115AA	6,800	0.750	0.0221	10.0
C3216NP02W822J115AA	8,200	0.750	0.0197	10.0
C3216NP02A822J115AA	8,200	0.750	0.0313	10.0
C3216NP02J822J160AA	8,200	0.750	0.0200	10.0
C3216NP01H103J060AA	10,000	0.750	0.0236	10.0
C3216NP02E103J115AA	10,000	0.750	0.0196	10.0
C3216NP02A103J115AA	10,000	0.750	0.0236	10.0
C3216NP02J103J160AA	10,000	0.750	0.0196	10.0
C3216NP02W103J160AA	10,000	0.750	0.0181	10.0
C3216NP01H153J060AA	15,000	0.750	0.0199	10.0
C3216NP02A153J115AA	15,000	0.750	0.0105	10.0
C3216NP02W153J160AA	15,000	0.750	0.0135	10.0
C3216NP02E153J160AA	15,000	0.750	0.0138	10.0
C3216NP01H223J060AA	22,000	0.750	0.0151	10.0
C3216NP02E223J160AA	22,000	0.750	0.0134	10.0
C3216NP02A223J160AA	22,000	0.750	0.0117	10.0
C3216NP01H333J085AA	33,000	0.750	0.0166	10.0
C3216X8R2A333K085AA	33,000	0.750	0.0373	10.0
C3216X8R2A333M085AA	33,000	0.750	0.0373	10.0
C3216NP02A333J160AA	33,000	0.750	0.0098	10.0
C3216X8R2A473K085AA	47,000	0.750	0.0288	10.0
C3216X8R2A473M085AA	47,000	0.750	0.0288	10.0
C3216NP01H473J115AA	47,000	0.750	0.0104	10.0
C3216X8R2A683K115AA	68,000	0.750	0.0211	7.35
C3216X8R2A683M115AA	68,000	0.750	0.0211	7.35
C3216NP01H683J160AA	68,000	0.750	0.0088	7.35

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### Circuit Diagram



### Circuit Parameters

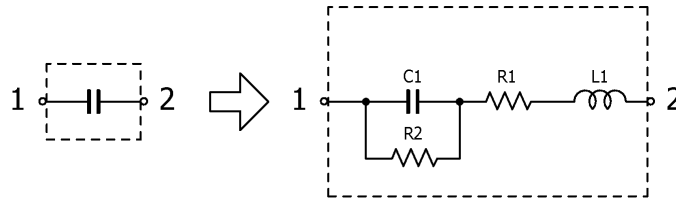
Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C3216X8R2A104K115AA	100,000	0.750	0.0213	5.00
C3216X8R2A104M115AA	100,000	0.750	0.0213	5.00
C3216NP01H104J160AA	100,000	0.750	0.0060	5.00
C3216X8R1H154K085AA	150,000	0.750	0.0180	3.33
C3216X8R1H154M085AA	150,000	0.750	0.0180	3.33
C3216X8R2A154K160AA	150,000	0.750	0.0162	3.33
C3216X8R2A154M160AA	150,000	0.750	0.0162	3.33
C3216X8R1H224K115AA	220,000	0.750	0.0134	2.27
C3216X8R1H224M115AA	220,000	0.750	0.0134	2.27
C3216X8R2A224K160AB	220,000	0.750	0.0160	2.27
C3216X8R2A224M160AB	220,000	0.750	0.0160	2.27
C3216X8R1E334K085AA	330,000	0.750	0.0144	1.52
C3216X8R1E334M085AA	330,000	0.750	0.0144	1.52
C3216X8R2A334K160AB	330,000	0.750	0.0129	1.52
C3216X8R2A334M160AB	330,000	0.750	0.0129	1.52
C3216X8R1H334K160AA	330,000	0.750	0.0117	1.52
C3216X8R1H334M160AA	330,000	0.750	0.0117	1.52
C3216X8R1E474K085AA	470,000	0.750	0.0121	1.06
C3216X8R1E474M085AA	470,000	0.750	0.0121	1.06
C3216X8R1H474K160AA	470,000	0.750	0.0076	1.06
C3216X8R1H474M160AA	470,000	0.750	0.0076	1.06
C3216X8R1E684K115AA	680,000	0.750	0.0098	0.735
C3216X8R1E684M115AA	680,000	0.750	0.0098	0.735
C3216X8R1H684K160AB	680,000	0.750	0.0082	0.735
C3216X8R1H684M160AB	680,000	0.750	0.0082	0.735
C3216X8R1H105K160AB	1,000,000	0.750	0.0057	0.500
C3216X8R1H105M160AB	1,000,000	0.750	0.0057	0.500
C3216X8R1E105K160AA	1,000,000	0.750	0.0073	0.500
C3216X8R1E105M160AA	1,000,000	0.750	0.0073	0.500
C3216X8L1H155K160AC	1,500,000	0.750	0.0066	0.333
C3216X8R1E155K160AB	1,500,000	0.750	0.0071	0.333
C3216X8R1E155M160AB	1,500,000	0.750	0.0071	0.333
C3216X8L1H225K160AC	2,200,000	0.750	0.0071	0.227
C3216X8R1E225K160AB	2,200,000	0.750	0.0048	0.227
C3216X8R1E225M160AB	2,200,000	0.750	0.0048	0.227
C3216X8L1H335K160AC	3,300,000	0.750	0.0045	0.151

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### Circuit Diagram



### Circuit Parameters

Part No.	C1[pF]	L1[nH]	R1[ohm]	R2[Gohm]
C3216X8R1E335K160AC	3,300,000	0.750	0.0036	0.151
C3216X8R1E335M160AC	3,300,000	0.750	0.0036	0.151
C3216X8R1C335K160AB	3,300,000	0.750	0.0036	0.0300
C3216X8R1C335M160AB	3,300,000	0.750	0.0036	0.0300
C3216X8R1E475K160AC	4,700,000	0.750	0.0039	0.106
C3216X8R1E475M160AC	4,700,000	0.750	0.0039	0.106
C3216X8R1C475K160AB	4,700,000	0.750	0.0039	0.0210
C3216X8R1C475M160AB	4,700,000	0.750	0.0039	0.0210
C3216X8L1C685K160AC	6,800,000	0.750	0.0030	0.0140
C3216X8L1E106K160AC	10,000,000	0.750	0.0022	0.0500
C3216X8L1C106K160AC	10,000,000	0.750	0.0022	0.0100
C3216X8L0G156M160AC	15,000,000	0.750	0.0019	0.00600
C3216X8L0G226M160AC	22,000,000	0.750	0.0019	0.00400