

**SUBJECT: Multi-Layer Ceramic Chip ( MLCC ) Capacitors in 1210 Case Sizes**  
**Particular case size / values are not recommended for new designs**

**BULLETIN #: NRFND.PG33.04.29.05-1b**

**Date: April 29, 2005**

**Page 1 of 1**

**Revision Date: May 10, 2005**

NRFND 1210 Case Size MLCCs							Recommended Alternatives			
P/N	Size	Char	V	Cap	Cap value(pF)	Tol	P/N	Size	Char	V
ECJ4YB0J107M	1210	X5R	6.3	107	100000000	M	No Replacement			6.3
ECJ4YB0J476M	1210	X5R	6.3	476	47000000	M	No Replacement			
ECJ4YB0J226M	1210	X5R	6.3	226	22000000	M	ECJ3YB0J226M	1206	X5R	6.3
ECJ4YB1A106K	1210	X5R	10	106	10000000	K	ECJ3YB1A106K	1206	X5R	10
ECJ4YB1A106M	1210	X5R	10	106	10000000	M	ECJ3YB1A106M	1206	X5R	10
ECJ4YB1A226M	1210	X5R	10	226	22000000	M	No Replacement			
ECJ4YB1A476M	1210	X5R	10	476	47000000	M	No Replacement			
ECJ4YB1C475K	1210	X5R	16	475	4700000	K	ECJ3YB1C475K	1206	X5R	16
ECJ4YB1C475M	1210	X5R	16	475	4700000	M	ECJ3YB1C475M	1206	X5R	16
ECJ4YB1C106M	1210	X5R	16	106	10000000	M	ECJ3YB1C106M	1206	X5R	16
ECJ4YB1C226M	1210	X5R	16	226	22000000	M	No Replacement			
ECJ4YB1C476M	1210	X5R	16	476	47000000	M	No Replacement			
ECJ4YB1E225K	1210	X5R	25	225	2200000	K	ECJ2FB1E225K	0805	X5R	25
ECJ4YB1E225M	1210	X5R	25	225	2200000	M	ECJ2FB1E225M	0805	X5R	25
ECJ4YB1E475K	1210	X5R	25	475	4700000	K	ECJ3YB1E475K	1206	X5R	25
ECJ4YB1E475M	1210	X5R	25	475	4700000	M	ECJ3YB1E475M	1206	X5R	25
ECJ4YB1E106M	1210	X5R	25	106	10000000	M	ECJ3YB1E106M	1206	X5R	25
ECJ4YB1E226M	1210	X5R	25	226	22000000	M	No Replacement			
ECJ4YB1H105K	1210	X5R	50	105	1000000	K	No Replacement			
ECJ4YB1H105M	1210	X5R	50	105	1000000	M	No Replacement			
ECJ4YB2A224K	1210	X5R	100	224	220000	K	No Replacement			
ECJ4YB2A224M	1210	X5R	100	224	220000	M	No Replacement			
ECJ4YB2A474K	1210	X5R	100	474	470000	K	No Replacement			
ECJ4YB2A474M	1210	X5R	100	474	470000	M	No Replacement			
ECJ4YB2A684K	1210	X5R	100	684	680000	K	No Replacement			
ECJ4YB2A684M	1210	X5R	100	684	680000	M	No Replacement			
ECJ4YF0J476Z	1210	Y5V	6.3	476	47000000	Z	No Replacement			
ECJ4YF0J107Z	1210	Y5V	6.3	107	100000000	Z	No Replacement			
ECJ4YF1A226Z	1210	Y5V	10	226	22000000	Z	ECJMFF1A226Z	1206	Y5V	10
ECJ4YF1A476Z	1210	Y5V	10	476	47000000	Z	No Replacement			
ECJ4YF1C106Z	1210	Y5V	16	106	10000000	Z	ECJMFF1C106Z	1206	Y5V	16
ECJ4YF1C226Z	1210	Y5V	16	226	22000000	Z	No Replacement			
ECJ4YF1E475Z	1210	Y5V	25	475	4700000	Z	ECJ3FF1E475Z	1206	Y5V	25
ECJ4YF1E106Z	1210	Y5V	25	106	10000000	Z	ECJ3FF1E106Z	1206	Y5V	25
ECJ4YF1E226Z	1210	Y5V	25	226	22000000	Z	No Replacement			
ECJ4YF1H106Z	1210	Y5V	50	106	10000000	Z	No Replacement			
ECJ4YF1H475Z	1210	Y5V	50	475	4700000	Z	No Replacement			