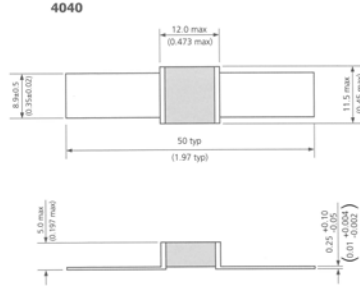
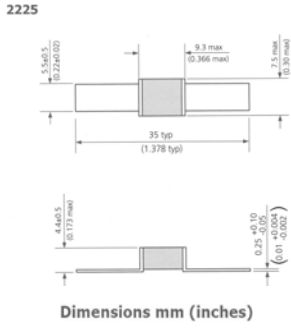


# Ribbon Leaded Non-Magnetic MLCC Datasheet

(Silver Plated Copper Leads : MRI Applications)



Electrical Details	
Dielectric Material	High Q COG Ceramic
TCC	0 ± 30ppm/°C
Insulation Resistance (IR)	100GΩ Minimum @ 100Vdc
Temperature Rating	-55°C to +125°C
Mechanical Details	
Ribbon Material	Copper
Ribbon Finish	Silver Plate
Attachment Solder	HMP (MP > 260°C)
Coating (when specified)	Modified Silicone Lacquer
NON-MAGNETIC	

## 4040

Product Code	Capacitance	Rated Voltage (dc)	Rated RMS Voltage (@ 64MHz)	DWV (dc)	Typical ESR @ 30MHz
4040*7K01P00*QBRW001	1.0pF	7000	5000	8400	415
4040*7K03P30*QBRW001	3.3pF	7000	5000	8400	198
4040*7K06P80*QBRW001	6.8pF	7000	5000	8400	104
4040*7K08P20*QBRW001	8.2pF	7000	5000	8400	94
4040*7K00330*QBRW001	33pF	7000	5000	8400	33
4040*7K00390*QBRW001	39pF	7000	5000	8400	30
4040*7K00470*QBRW001	47pF	7000	5000	8400	26
4040*7K00560*QBRW001	56pF	7000	5000	8400	22
4040*5000512*QBRW001	5100pF	500	N/A	750	11
4040*2000103*QBRW001	10000pF	200	N/A	500	11

## 2225

Product Code	Capacitance	Rated Voltage (dc)	Rated RMS Voltage @ 128MHz (64MHz where identified #)	DWV (dc)	Typical ESR @ 30MHz
2225*3K01P00*QBRW001	1.0pF	3000	2500	3600	300
2225*3K00100*QBRW001	10pF	3000	2500	3600	66
2225*3K00120*QBRW001	12pF	3000	2500	3600	58
2225*3K00150*QBRW001	15pF	3000	2500	3600	51
2225*3K00180*QBRW001	18pF	3000	2500	3600	47
2225*3K00220*QBRW001	22pF	3000	2500	3600	42
2225*3K00270*QBRW001	27pF	3000	2500	3600	36
2225*3K00390*QBRW001	39pF	3000	2500 <sup>#</sup>	3600	28
2225*3K00470*QBRW001	47pF	3000	2500 <sup>#</sup>	3600	25
2225*6300222*QBRW001	2200pF	630	N/A	945	6

Other voltages & capacitance values available. Please refer to the factory.

**ESR Measurement**

All ESR figures are measured using a VNA & 2m copper resonant tube and extrapolating to 30MHz by ratio. Measured data can be supplied on request. Measurement of ESR can vary with test method and components should only be compared when tested back-to-back on the same equipment under controlled conditions.

**Marking Information**

Components can be optionally marked with Syfer Logo, capacitance value and tolerance. Example -  $\overset{\zeta}{0330G}$

Marking defined by change of part No. to end W191

**RoHS Compliance**

RoHS compliant to 2011/65/EU. Exemption 7(a) "Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead)" applies.

**Ordering Information**

Note: Changes to the variant code can be used to denote customisation of the standard part.

Options include for example: change of ribbon length / special lead material or finish / non-standard intermediate capacitance values / special test requirements.

Please refer specific requests to the factory.

Chip size	Coating	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance tolerance	Dielectric	Packing	Lead options	Variant code
4040	B	7K0	0470	J	Q	B	R	W001
2225 4040	B = Uncoated V = Coated with modified silicone lacquer	200 = 200V 500 = 500V 630 = 630V 1K0 = 1000V 2K0 = 2000V 3K0 = 3000V 5K0 = 5000V 7K0 = 7000V	<10pF. Insert a P for the decimal point. Examples: 2P20 = 2.2pF  >10pF. First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is the number of zeros following. Examples: 0470 = 47pF 0512 = 5100pF	<10pF B = ±0.1pF C = ±0.25pF D = ±0.5pF  ≥10pF G = ±2% J = ±5% K = ±10% M = ±20%	Q = High Q	B = Bulk packed	R = Ribbon Leaded	W001 = Standard Variant  W191 = Marked