HF CERAMIC CAPACITORS "L" SERIES (NPO)

Ultra stable dielectric - Low K - Low E.S.R

Between High"Q" porcelain chips and standard NPO types, there is an increasing need for a product that offers to the design engineer a guarantee of maximum E.S.R for circuit performances in the frequency range of 20 to 1000 MHz (sometimes higher) and also the insurance that the performances will be kept from one lot to an other lot.
The "L" Series uses a special design and a low dielectric constant NPO and is the solution to the problem.
A Laboratory kit "L" series is available from stock.

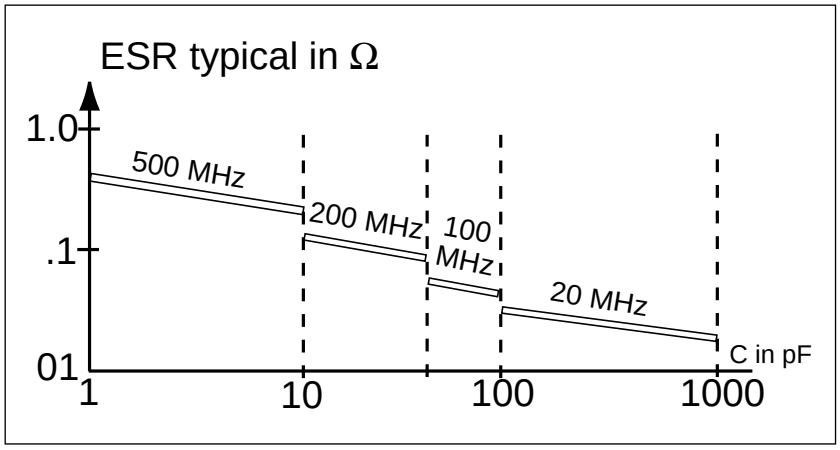
Capacitance & Voltage range (per case size):

TEMEX case reference		R11	R14	R15	R18	S41
CECC case reference		0504	0603	0805	1206	1210
(Previous NFC reference)		-	-	CEC37	CEC38	CEC39
Capacitance (pF)	Code					
1.0	1R0					
1.2	1R2					
1.5	1R5					
1.8	1R8					
2.2	2R2					
2.7	2R7					
3.3	3R3					
3.9	3R9					
4.7	4R7					
5.6	5R6					
6.8	6R8					
8.2	8R2					
10	100					
12	120					
15	150					
18	180					
22	220					
27	270					
33	330					
39	390					
47	470					
56	560					
68	680					
82	820					
100	101					
120	121					
150	151					
180	181					
220	221		500 V			
270	271					
330	331		100 V			
390	391					
470	471		200 V			
560	561					
680	681					
820	821					
1000	102					

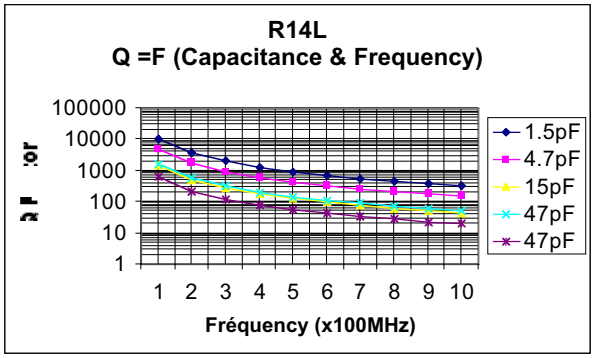
Note: for capacitance below 1.0 pF please consult your local sales office.

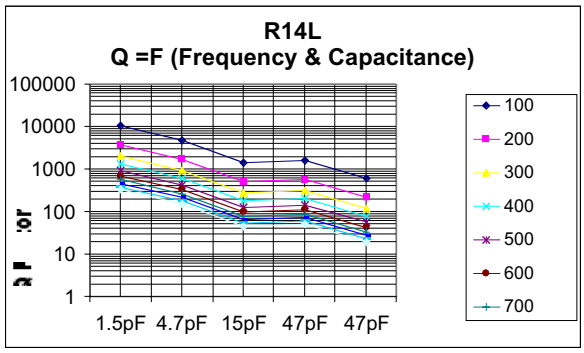
Typical characteristic curves

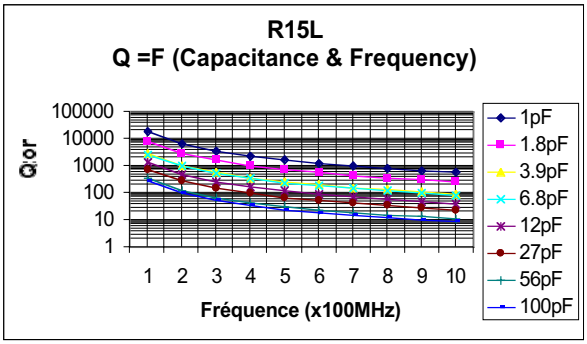
ESR versus frequency and capacitance

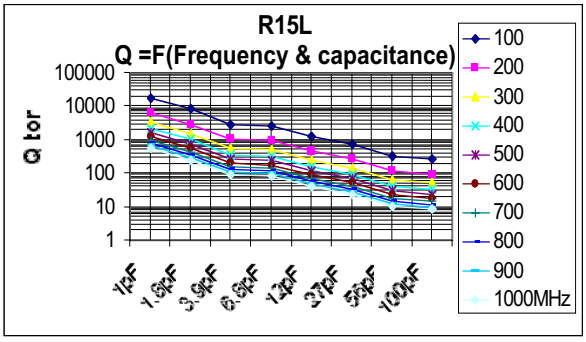


Quality Factor vs. frequency









Electrical characteristics

See general description pages 6-10 & 6-11.

Dimensions

See page 6-8.

Frequency parameters

E.S.R. versus frequency and capacitance value: see curve page 7-8.

Quality factor versus frequency and capacitance value: see curves page 7-8.

How to order?

201	R15	L	150	J	V	E
Voltage code: 201 = 200 V 101 = 100 V 501 = 500 V	Case size: R11 = 0504 R14 = 0603 R15 = 0805 R18 = 1206 S41 = 1210	Dielectric code: “L”	Capacitance value code: The first two digits are significant of C; The last one is the number of “0”to read the capacitance in “pF”: 150 = 15 pF 151 = 150 pF	Tolerance code: For Cr < 10pF B = ±0.1pF C = ±0.25pF D= ±0.5pF For Cr > 10pF F = ± 1 % G = ± 2 % J = ± 5 % K = ± 10 %	Termination code: V = Tin over nickel barrier P = Silver-Palladium A = enhanced silver-palladium (consult us)	When pieces are required taped, please specify “E” for embossed plastic tape (Standard: 3 to 5 K/7” reel)