

1812 B7 104 K 501 P H M T XXX

CASE SIZE

18 = Length, inches - Ref only
 12 = Width, inches - Ref only

DIELECTRIC CODE

B7 = X7R, Class II, Stable
 B8 = Class II, 150 °C rated
 B9 = Class II, 200 °C rated
 BH = Class II, 250 °C rated
 BU = Class II, 300 °C rated
 BX = X7R, +15/-25% VTC
 BR = X7R, +15/-40% VTC
 BZ = X7R, +15/-45 VTC @ 60% WVDC

N7 = COG / NPO, Ultra Stable
 N8 = COG / NPO, 150 °C rated
 N9 = COG / NPO, 200 °C rated
 NH = COG / NPO, 250 °C rated
 NU = COG / NPO, 300 °C rated

CAPACITANCE

- Value in Picofarads.
 - Two significant figures followed by number of zeros. R = decimal. I.e:

1R5 = 1.5 pF 393 = 39,000 pF = 0.039 µF
 120 = 12 pF 104 = 100,000 pF = 0.10 µF
 821 = 820 pF 105 = 1,000,000 pF = 1.0 µF
 102 = 1000 pF 107 = 10,000,000 pF = 10 µF

CAPACITANCE TOLERANCE

Code	NPO / COG	X7R / Class II
B = ± 0.10 pF, < 10 pF		
C = ± 0.25 pF, < 10 pF		
D = ± 0.50 pF, < 10 pF		
F = ± 1%		
G = ± 2%		
J = ± 5%		
K = ± 10%		
M = ± 20%		
Z = +80 / -20%		
P = +100 / -0%		

XXX

XXX = Special Cust req'ts
 Blank = No special req'ts

PACKAGING

W = Waffle Pack
 - Recommended ≥ 1515 Pkg size
 T = Tape & Reel
 Blank = Bulk Pack (Std option)

MARKING

M = Marked
 Blank = Unmarked

HIGH REL TESTING

H = High Rel Testing Required
 Blank = Standard MLCC
 - Contact factory to determine applicable MIL Spec defined test requirements.

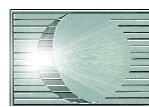
TERMINATION

P = Palladium Silver
 S = Silver
 N = Nickel Barrier, 100% Tin

WORKING VOLTAGE

- Value in Vdc.
 - Two significant figures followed by number of zeros. I.e:

100 = 10 Vdc
 501 = 500 Vdc
 152 = 1500 Vdc = 1.5 kVdc
 103 = 10,000 Vdc = 10 kVdc

APPROVALS	DATE	<i>Eclipse NanoMed, LLC</i> 5055 Metric Way, Suite 105 Carson City, NV 89706 PH: (775) 841-1913	
DRW M. Roach	01/28/09		
CHK G. Bullard	02/20/09		
ENG M.A.S.	02/20/09	MLCC /SLCC PART NUMBER SYSTEM	REV -
QA		DOC# ENM-100	SHEET 1 OF 1