

ATC Tech-SELECT Component Selection

FileUnitsATCHelp

Select Component

Capacitors

Resistive Products

Inductors

Enter Capacitance

Capacitance82pF

Frequency51MHz

☐ Mil Parts Only

Solder Plate

Dimensions in inches

Y=.015±.010

W=.110±.015

L=.110+.020-.010

T=.102Max

Dimensions in:

☒ Inches

☐ Millimeters

MultilayerSingle LayerCustom Single LayerGeneral PurposePrecision ToleranceBroadbandUltra-Broadbandmm-wave SMT

Multilayer Capacitors

Sort Capacitors by:

☐ Working Voltage (Hi to Lo)

☒ Case Size (Small to Large)

☐ ESR (Low to High)

☐ Q (High to Low)

☐ Resonant Freq (Hi to Lo)

☒ Extended Working Voltage

ATC600S820 * QuikBuy *

ATC600F820 * QuikBuy *

ATC100A820 * QuikBuy *

ATC700A820 * QuikBuy *

ATC800A820

ATC800R820

ATC100B820 * QuikBuy *

ATC700B820 * QuikBuy *

ATC800B820

ATC100C820

ATC700C820

ATC800C820

ATC100E820

Termination Code

☒ W - Solder Plate

☐ P - Pellet

☐ CA - Gold Chip

☐ T - Tin

☐ MS - Microstrip

☐ AR - Axial Ribbon

☐ AW - Axial Wire

☐ RW - Radial Wire

☐ RR - Radial Ribbon

☐ Non-Magnetic Cases

Packaging

☐ C - ATC Cap-Pac®

☒ T - Tape & Reel

☐ TV - Vertical Orientation Tape & Reel

☐ I - Special Packaging

Capacitance Tolerance

☐ F - ±1%

☐ G - ±2%

☒ J - ±5%

☐ K - ±10%

☐ M - ±20%

Marking

☐ No Marking

☒ Laser Mark

Click on Part Number for Description

Part #

ATC100B820JW1500XT

Mil Part

No Military Equivalent

Capacitance

82 ±4.1 pF

Series Resonance

749.9 MHz

Parameters at 51.0 MHz

ESR

0.021 Ohms

ESL

0.55 nH

Q

1791.1

Ceff

82.38 pF

Imax RMS (Pwr Limit)

11.88 A

Working Voltage (WVDC)

1500 V

IXC

38.1 Ohms

IXL

0.2 Ohms

IZ

37.9 Ohms

Part Datasheet

Series Datasheet

Add Part to RFQ

Sample Request

QUIKBuy™

