



Click [here](#) for the 3D model.

### Dimensions

D	8mm +/-0.5mm
L	9mm +1.5mm
S	3.5mm +/-0.5mm
LL Negative	15mm MIN
LL Positive	20mm MIN
F	0.5mm NOM

### Packaging Specifications

Packaging	T&R
Packaging Quantity	1500

### General Information

Series	ESS
Dielectric	Aluminum Electrolytic
Description	Single Ended, Aluminum Electrolytic
RoHS	Yes
Lead	Wire Leads
AEC-Q200	No

### Specifications

Capacitance	470 uF
Capacitance Tolerance	20%
Voltage DC	10 VDC, 13 VDC (Surge)
Temperature Range	-40/+105°C
Rated Temperature	105°C
Life	1000 Hrs
Dissipation Factor	20%
Ripple Current	165 mAmps (120Hz 105C)
Leakage Current	47 uA (2min 20°C)
Impedance Ratio at -25C	3
Impedance Ratio at -40C	6