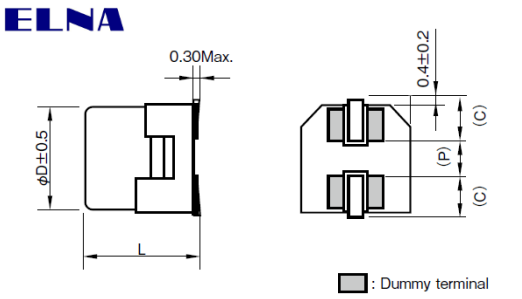
Spec Sheet

FOR AUTOMOTIVE CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS[HT]

HT-10V221MF80Q-R2



Unit : mm

Features

- Item Summary

  220uF±20%, 10V, φ6.3x7.7mm, SMD
- Lifecycle Stage

  Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)

  1000

Products characteristics table

Capacitance	220 uF ± 20 %
Rated Voltage	10 V
tan δ (max)	0.18
Operating Temp. Range	-55 to +105 ℃
Leakage current (min)	22 uA at 2 min
Rated Ripple (max)	2300 mArms at 100k Hz / 105 ℃
Impedance ratio ___[-25℃/+20℃]	1.5
Impedance ratio ___[-55℃/+20℃]	2
ESR (max)	24 mΩ at 100k Hz / 20 ℃
Endurance ___[Test time]	5000 hr at 105 ℃
Endurance ___[Capacitance change]	Within ±30% of initial value
Endurance ___[tan δ change]	200% or less of initial specified value
Shape	Vertical Chip for Vibration (SMD)
Type	Conductive Polymer Hybrid
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 subst.)	Yes
Soldering	Reflow
LeadForming/Taping	Taping Embossed

External Dimensions

Dimension φD	φ6.3 ±0.5 mm
Dimension L	7.7 ±0.3 mm
Dimension P (F)	Typ 2 mm
Dimension C (d)	Typ 2.7 mm

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The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
TAIYO YUDEN reserves the right to make change to the data at any time without notice.
Before making final selection, please check product specification.

■Notice for ELNA Products

Please read this notice before using the ELNA products.

REMINDERS

- Please conduct validation and verification of the ELNA products in actual condition of mounting and operating environment before using the ELNA products.
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  Please do not incorporate the ELNA products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).

  When the ELNA products are used even for high safety and/or reliability-required devices or circuits of general electronic equipment, it is strongly recommended to perform a thorough safety evaluation prior to use of the ELNA products and to install a protection circuit as necessary.

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