

EEE-HAA220WAR



Part Number: [EEE-HAA220WAR](#)

Manufacturer: [Panasonic](#)

Description: CAP ALUM 22UF 20% 10V SMD

Data sheet:  [HA Series Type V, Suffix A](#)
 [Aluminum Elect Caps, Part Number System](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	EEE-HAA220WAR	Manufacturer	Panasonic
Description	CAP ALUM 22UF 20% 10V SMD	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	770423 pcs	Data sheet	HA Series Type V, Suffix A Aluminum Elect Caps, Part Number System
Category	Capacitors	Voltage - Rated	10V
Tolerance	±20%	Surface Mount Land Size	0.169" L x 0.169" W (4.30mm x 4.30mm)
Size / Dimension	0.157" Dia (4.00mm)	Series	HA
Ripple Current @ Low Frequency	28mA @ 120Hz	Ripple Current @ High Frequency	47.6mA @ 10kHz
Ratings	AEC-Q200	Polarization	Polar
Packaging	Cut Tape (CT)	Package / Case	Radial, Can - SMD
Other Names	PCE4690CT	Operating Temperature	-40°C ~ 105°C
Mounting Type	Surface Mount	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Manufacturer Standard Lead Time	19 Weeks	Lifetime @ Temp.	1000 Hrs @ 105°C
Lead Spacing	-	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Height - Seated (Max)	0.213" (5.40mm)	ESR (Equivalent Series Resistance)	-
Detailed Description	22µF 10V Aluminum Electrolytic Capacitors Radial, Can - SMD 1000 Hrs @ 105°C	Capacitance	22µF
Applications	Automotive		
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	Part#: EEE-HA2A4R7P Description: CAP ALUM 4.7UF 20% 100V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HAC101WAP Description: CAP ALUM 100UF 20% 16V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HAC220WAR Description: CAP ALUM 22UF 20% 16V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HAC330WAR Description: CAP ALUM 33UF 20% 16V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HA2A220UP Description: CAP ALUM 22UF 20% 100V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HA2A100P Description: CAP ALUM 10UF 20% 100V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HAA102UAP Description: CAP ALUM 1000UF 20% 10V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HAA471UAP Description: CAP ALUM 470UF 20% 10V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HA2A220P Description: CAP ALUM 22UF 20% 100V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HAA101WAP Description: CAP ALUM 100UF 20% 10V SMD	Manufacturers: Panasonic	RFQ
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	Part#: EEE-HAA221XAP Description: CAP ALUM 220UF 20% 10V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HA2A3R3P Description: CAP ALUM 3.3UF 20% 100V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HAC221UAP Description: CAP ALUM 220UF 20% 16V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HAC331UAP Description: CAP ALUM 330UF 20% 16V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HAA330WAR Description: CAP ALUM 33UF 20% 10V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HA2A470UP Description: CAP ALUM 47UF 20% 100V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HA2A4R7UP Description: CAP ALUM 4.7UF 20% 100V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HA2A330P Description: CAP ALUM 33UF 20% 100V SMD	Manufacturers: Panasonic	RFQ

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