

EEE-HA1A221AP



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Panasonic

Part Number: [EEE-HA1A221AP](#)

Manufacturer: [Panasonic Electronic Components](#)

Description: CAP ALUM 220UF 20% 10V SMD

Data sheet:  [Aluminum Electrolytic Cap Part Numbering](#)
 [HA Series Type V, Suffix A](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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PRODUCT PARAMETER			
Part Number	EEE-HA1A221AP	Manufacturer	Panasonic Electronic Components
Description	CAP ALUM 220UF 20% 10V SMD	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	368441 pcs	Data sheet	Aluminum Electrolytic Cap Part Numbering System HA Series Type V, Suffix A
Category	Capacitors	Tolerance	220μF
Surface Mount Land Size	-	Size / Dimension	0.315" Dia (8.00mm)
Series	Automotive, AEC-Q200, HA	RoHS Status	Tape & Reel (TR)
Ripple Current - Low Frequency	Automotive	Ripple Current	Polar
Polarization	Radial, Can - SMD	Pitch - Connector	10V
Package / Case	0.327" L x 0.327" W (8.30mm x 8.30mm)	Other Names	EEEHA1A221AP PCE4651TR
Operating Temperature	-40°C ~ 105°C	Number of Capacitors	160mA @ 120Hz
Mounting Type	Surface Mount	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Manufacturer Standard Lead Time	18 Weeks	Manufacturer Part Number	EEE-HA1A221AP
Lifetime @ Temp.	-	Impedance	-
Height - Seated (Max)	0.402" (10.20mm)	Expanded Description	220μF 10V Aluminum Capacitors Radial, Can - SMD 1000 Hrs @ 105°C
ESR (Equivalent Series Resistance)	±20%	Description	CAP ALUM 220UF 20% 10V SMD
Applications	1000 Hrs @ 105°C		
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	Part#: EEE-HA0J331XP Description: CAP ALUM 330UF 20% 6.3V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HA1A470WR Description: CAP ALUM 47UF 20% 10V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HA1A221XP Description: CAP ALUM 220UF 20% 10V SMD	Manufacturers: Panasonic	RFQ
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	Part#: EEE-HA1A101WP Description: CAP ALUM 100UF 20% 10V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HA1A221P Description: CAP ALUM 220UF 20% 10V SMD	Manufacturers: Panasonic	RFQ
	Part#: EEE-HA1A101AP Description: CAP ALUM 100UF 20% 10V SMD	Manufacturers: Panasonic	RFQ

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