



NEW AQY2C5R3PX | PhotoMOS CC TSON 1 Form A CxR

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*Photo may vary from actual product.



Lead Free

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Product Number	AQY2C5R3PX
Part Number	AQY2C5R3PX
Details	Load voltage:100 V
Product name	PhotoMOS CC TSON 1 Form A CxR
Features	Super miniature TSON package, Capacitor Coupled isolation type

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FAQ

Spec Detail

Item	Specifications
Product Number	AQY2C5R3PX
Part Number	AQY2C5R3PX
Product name	CC TSON CxR
Type	CC
Package	TSON
Voltage type	AC/DC
Input voltage [V_{IN}]	5.5 V
Input reverse voltage [V_{RIN}]	0.2 V
Power dissipation [P_{in}]	1.2 mW
Load voltage [V_L]	100 V
Continuous load current [I_L]	0.12 A
Peak load current [I_{peak}]	0.3 A
Power dissipation [P_{out}]	250 mW
Total power dissipation [P_t]	250 mW
I/O isolation voltage [V_{iso}]	200 Vrms
Ambient temperature: Operating [T_{opr}]	-40 to +105°C -40 to +221°F

As of May 16, 2018

Specifications and design of the products are subject to change without notice for the product improvement.

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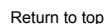
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Ambient temperature: Storage [T_{stg}]	-40 to +125°C -40 to +257°F
Operate voltage (Typical) [V_{Fon}]	2.0 V
Operate voltage (Maximum) [V_{Fon}]	2.5 V
Turn off voltage (Minimum) [V_{Foff}]	0.5 V
Turn off voltage (Typical) [V_{Foff}]	1.5 V
Input current (Typical) [I_{IN}]	0.09 mA
Input current (Maximum) [I_{IN}]	0.2 mA
On resistance (Typical) [R_{on}]	9 ohm
ON resistance (Maximum) [R_{on}]	14 ohm
Output capacitance (Typical) [C_{out}]	5.8 pF
Output capacitance (Maximum) [C_{out}]	8 pF
Off state leakage current (Maximum) [I_{Leak}]	10nA
Over current protection	Nothing
Turn on time (Typical)	0.03 ms
Turn on time (Maximum)	0.2 ms
Turn off time (Typical)	0.04 ms
Turn off time (Maximum)	0.5 ms
I/O capacitance (Typical) [C_{iso}]	1.2 pF
I/O capacitance (Maximum) [C_{iso}]	3 pF
[Recommended operating conditions] Input voltage [V_{IN}]	Min.: 3 V, Max.: 5 V
[Recommended operating conditions] Load voltage [V_L]	Max.: 50 V
[Recommended operating conditions] Continuous load current [I_L]	Max.: 0.12 A
Terminal shape	Surface-mount terminal
Contact arrangement	1 Form A
Packing style	Tape and reel packing style (X)
External dimensions	



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