



### 1825Y0160275MXT Information

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**Part Number** 1825Y0160275MXT **Manufacturer** Knowles Syfer

**Category** Capacitors

Ceramic Capacitors

**Description** CAP CER 2.7UF 16V X7R 1825

**Package** 1825 (4564 Metric)

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com
E-mail: salesdept@heisener.com



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# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# 1825Y0160275MXT Specifications

| Manufacturer Part Number         1825Y0160275MXT           Manufacturer         Knowles Syfer           Category         Capacitors           Package         1825 (4564 Metric)           Series         FlexiCap?           Capacitance         2.7µF           Tolerance         ±20%           Voltage - Rated         16V           Temperature Coefficient         X7R (2R1)           Operating Temperature         -55°C ~ 125°C           Features         Soft Termination           Ratings         -           Applications         Boardflex Sensitive           Failure Rate         -           Mounting Type         Surface Mount, MLCC           Package / Case         1825 (4564 Metric)           Size / Dimension         0.177" L x 0.252" W (4.50mm x 6.40mm)           Height - Seated (Max)         -           Thickness (Max)         0.098" (2.50mm)           Lead Spacing         -           Lead Style         -           Report errors?  |                          |                                       |
|---|--------------------------|---------------------------------------|
| Category         Capacitors           Package         1825 (4564 Metric)           Series         FlexiCap?           Capacitance         2.7μF           Tolerance         ±20%           Voltage - Rated         16V           Temperature Coefficient         X7R (2R1)           Operating Temperature         -55°C ~ 125°C           Features         Soft Termination           Ratings         -           Applications         Boardflex Sensitive           Failure Rate         -           Mounting Type         Surface Mount, MLCC           Package / Case         1825 (4564 Metric)           Size / Dimension         0.177" L x 0.252" W (4.50mm x 6.40mm)           Height - Seated (Max)         -           Thickness (Max)         0.098" (2.50mm)           Lead Spacing         -           Lead Style         -   | Manufacturer Part Number | 1825Y0160275MXT                       |
| Package         1825 (4564 Metric)           Series         FlexiCap?           Capacitance         2.7μF           Tolerance         ±20%           Voltage - Rated         16V           Temperature Coefficient         X7R (2R1)           Operating Temperature         -55°C ~ 125°C           Features         Soft Termination           Ratings         -           Applications         Boardflex Sensitive           Failure Rate         -           Mounting Type         Surface Mount, MLCC           Package / Case         1825 (4564 Metric)           Size / Dimension         0.177" L x 0.252" W (4.50mm x 6.40mm)           Height - Seated (Max)         -           Thickness (Max)         0.098" (2.50mm)           Lead Spacing         -           Lead Style         -   | Manufacturer             | Knowles Syfer                         |
| Package         1825 (4564 Metric)           Series         FlexiCap?           Capacitance         2.7μF           Tolerance         ±20%           Voltage - Rated         16V           Temperature Coefficient         X7R (2R1)           Operating Temperature         -55°C ~ 125°C           Features         Soft Termination           Ratings         -           Applications         Boardflex Sensitive           Failure Rate         -           Mounting Type         Surface Mount, MLCC           Package / Case         1825 (4564 Metric)           Size / Dimension         0.177" L x 0.252" W (4.50mm x 6.40mm)           Height - Seated (Max)         -           Thickness (Max)         0.098" (2.50mm)           Lead Spacing         -           Lead Style         -   | Category                 | Capacitors                            |
| Series         FlexiCap?           Capacitance         2.7μF           Tolerance         ±20%           Voltage - Rated         16V           Temperature Coefficient         X7R (2R1)           Operating Temperature         -55°C ~ 125°C           Features         Soft Termination           Ratings         -           Applications         Boardflex Sensitive           Failure Rate         -           Mounting Type         Surface Mount, MLCC           Package / Case         1825 (4564 Metric)           Size / Dimension         0.177" L x 0.252" W (4.50mm x 6.40mm)           Height - Seated (Max)         -           Thickness (Max)         0.098" (2.50mm)           Lead Spacing         -           Lead Style         -  |                          | Ceramic Capacitors                    |
| Capacitance         2.7μF           Tolerance         ±20%           Voltage - Rated         16V           Temperature Coefficient         X7R (2R1)           Operating Temperature         -55°C ~ 125°C           Features         Soft Termination           Ratings         -           Applications         Boardflex Sensitive           Failure Rate         -           Mounting Type         Surface Mount, MLCC           Package / Case         1825 (4564 Metric)           Size / Dimension         0.177" L x 0.252" W (4.50mm x 6.40mm)           Height - Seated (Max)         -           Thickness (Max)         0.098" (2.50mm)           Lead Spacing         -           Lead Style         -   | Package                  | 1825 (4564 Metric)                    |
| Tolerance         ±20%           Voltage - Rated         16V           Temperature Coefficient         X7R (2R1)           Operating Temperature         -55°C ~ 125°C           Features         Soft Termination           Ratings         -           Applications         Boardflex Sensitive           Failure Rate         -           Mounting Type         Surface Mount, MLCC           Package / Case         1825 (4564 Metric)           Size / Dimension         0.177" L x 0.252" W (4.50mm x 6.40mm)           Height - Seated (Max)         -           Thickness (Max)         0.098" (2.50mm)           Lead Spacing         -           Lead Style         -   | Series                   | FlexiCap?                             |
| Voltage - Rated16VTemperature CoefficientX7R (2R1)Operating Temperature-55°C ~ 125°CFeaturesSoft TerminationRatings-ApplicationsBoardflex SensitiveFailure Rate-Mounting TypeSurface Mount, MLCCPackage / Case1825 (4564 Metric)Size / Dimension0.177" L x 0.252" W (4.50mm x 6.40mm)Height - Seated (Max)-Thickness (Max)0.098" (2.50mm)Lead Spacing-Lead Style-   | Capacitance              | 2.7μF                                 |
| Temperature Coefficient  ATR (2R1)  Operating Temperature  -55°C ~ 125°C  Features  Soft Termination  Ratings  - Applications  Boardflex Sensitive  Failure Rate  - Mounting Type  Surface Mount, MLCC  Package / Case  1825 (4564 Metric)  Size / Dimension  O.177" L x 0.252" W (4.50mm x 6.40mm)  Height - Seated (Max)  Thickness (Max)  Lead Spacing  Lead Style  -  XTR (2R1)  XTR (2R1)  ATR (2R)  ATR (2R) | Tolerance                | ±20%                                  |
| Operating Temperature-55°C ~ 125°CFeaturesSoft TerminationRatings-ApplicationsBoardflex SensitiveFailure Rate-Mounting TypeSurface Mount, MLCCPackage / Case1825 (4564 Metric)Size / Dimension0.177" L x 0.252" W (4.50mm x 6.40mm)Height - Seated (Max)-Thickness (Max)0.098" (2.50mm)Lead Spacing-Lead Style-   | Voltage - Rated          | 16V                                   |
| Features Soft Termination  Ratings - Applications Boardflex Sensitive  Failure Rate - Mounting Type Surface Mount, MLCC  Package / Case 1825 (4564 Metric) Size / Dimension 0.177" L x 0.252" W (4.50mm x 6.40mm)  Height - Seated (Max) - Thickness (Max) 0.098" (2.50mm)  Lead Spacing - Lead Style -   | Temperature Coefficient  | X7R (2R1)                             |
| Ratings - Boardflex Sensitive Failure Rate - Mounting Type Surface Mount, MLCC Package / Case 1825 (4564 Metric) Size / Dimension 0.177" L x 0.252" W (4.50mm x 6.40mm) Height - Seated (Max) - Thickness (Max) 0.098" (2.50mm) Lead Spacing - Lead Style   | Operating Temperature    | -55°C ~ 125°C                         |
| Applications  Boardflex Sensitive  Failure Rate  - Mounting Type  Surface Mount, MLCC  Package / Case  1825 (4564 Metric)  Size / Dimension  0.177" L x 0.252" W (4.50mm x 6.40mm)  Height - Seated (Max)  - Thickness (Max)  0.098" (2.50mm)  Lead Spacing  - Lead Style  -  | Features                 | Soft Termination                      |
| Failure Rate - Mounting Type Surface Mount, MLCC Package / Case 1825 (4564 Metric) Size / Dimension 0.177" L x 0.252" W (4.50mm x 6.40mm) Height - Seated (Max) - Thickness (Max) 0.098" (2.50mm) Lead Spacing - Lead Style -   | Ratings                  | -                                     |
| Mounting Type Surface Mount, MLCC Package / Case 1825 (4564 Metric) Size / Dimension 0.177" L x 0.252" W (4.50mm x 6.40mm) Height - Seated (Max) - Thickness (Max) 0.098" (2.50mm) Lead Spacing - Lead Style -  | Applications             | Boardflex Sensitive                   |
| Package / Case       1825 (4564 Metric)         Size / Dimension       0.177" L x 0.252" W (4.50mm x 6.40mm)         Height - Seated (Max)       -         Thickness (Max)       0.098" (2.50mm)         Lead Spacing       -         Lead Style       -  | Failure Rate             | -                                     |
| Size / Dimension       0.177" L x 0.252" W (4.50mm x 6.40mm)         Height - Seated (Max)       -         Thickness (Max)       0.098" (2.50mm)         Lead Spacing       -         Lead Style       -  | Mounting Type            | Surface Mount, MLCC                   |
| Height - Seated (Max)  Thickness (Max)  Lead Spacing  Lead Style  -  -  -  -  -  -  -  -  -  -  -  -  -   | Package / Case           | 1825 (4564 Metric)                    |
| Thickness (Max) 0.098" (2.50mm)  Lead Spacing -  Lead Style -   | Size / Dimension         | 0.177" L x 0.252" W (4.50mm x 6.40mm) |
| Lead Spacing - Lead Style -   | Height - Seated (Max)    | -                                     |
| Lead Style -  | Thickness (Max)          | 0.098" (2.50mm)                       |
|   | Lead Spacing             | -                                     |
| Report errors?  | Lead Style               | -                                     |
|   |                          | Report errors?                        |

### 1825Y0160275MXT Guarantees



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## 1825Y0160275MXT Payment Methods



















# 1825Y0160275MXT Shipping Methods













If you have any question about 1825Y0160275MXT, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com