

Spec Sheet

Multilayer Ceramic Capacitors (High dielectric type) for General Electronic Equipment

MSASE105SB5105KFNA01 (Previous PN: EMK105BJ105KV-F)



■ Features

- Item Summary
1 μ F \pm 10%, 16V,
X5R, 0402/1005 (EIA/JIS)
- Lifecycle Stage
Mass Production (Preferred)
- Standard packaging quantity (minimum)
Taping Paper 10000pcs

■ Products characteristics table

| | |
|---|--------------------------|
| Capacitance | 1 μ F \pm 10 % |
| Case Size (EIA/JIS) | 0402/1005 |
| Rated Voltage | 16 V |
| $\tan \delta$ (max) | 10 % |
| Temperature Characteristic (EIA) | X5R |
| Operating Temp. Range (EIA) | -55 to +85 °C |
| Capacitance Change(EIA) | \pm 15 % |
| High Temperature Loading (% Rated Voltage) | 150 % |
| Insulation Resistance (min) | 100 M Ω · μ F |
| Derating | STD |
| RoHS Compliance (10 subst.) | Yes |
| REACH Compliance (250 subst.) | Yes |
| Halogen Free | Yes |
| Soldering | Reflow |

■ External Dimensions

| | |
|-------------|--------------------|
| Dimension L | 1.0 \pm 0.05 mm |
| Dimension W | 0.5 \pm 0.05 mm |
| Dimension T | 0.5 \pm 0.05 mm |
| Dimension e | 0.25 \pm 0.10 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.