

OS-CON OS-CON Line-up	Update TPG Series Surface mount type TPG	RoHS compliance, Halogen free Small size, Low profile: L3.5xW2.8xH1.1mm (B1G) Large capacitance: 6.3V220μF (B15G)																																																																																																																																																																															
Guidelines and precautions	Selection guide	Specifications <table> <tr> <th>Items</th><th>Condition</th><th>Specifications</th><th></th></tr> <tr> <th>Rated voltage (V)</th><th>—</th><th>2.5</th><th>4.0</th><th>6.3</th><th>8.0</th><th>10</th><th>12.5</th><th></th></tr> <tr> <th>Surge voltage (V)</th><th>—</th><td>2.9</td><td>4.6</td><td>7.2</td><td>9.2</td><td>12</td><td>14</td><th></th></tr> <tr> <th>Category temperature range (°C)</th><th>—</th><td>-55 to +105</td><td></td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th>Capacitance tolerance (%)</th><th>120Hz/20°C</th><td>M : ±20</td><td></td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th>Rated capacitance range (μF)</th><th>120Hz/20°C</th><td>33 to 220</td><td></td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th>Dissipation Factor (DF)</th><th>120Hz/20°C</th><td>Please see the attached characteristics list</td><td></td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th>Leakage current</th><th>Rated voltage applied, after 5 minutes</th><td>Please see the attached characteristics list</td><td></td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th>Equivalent series resistance (ESR)</th><th>100kHz/20°C</th><td>Please see the attached characteristics list</td><td></td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th>Characteristics of impedance ratio at high temp. and low temp.</th><th>100kHz/+20°C</th><th>-55°C</th><th>Z/Z_{20°C}</th><td>0.6 to 2.0</td><td></td><td></td><td></td><th></th></tr> <tr> <th></th><th></th><th>+105°C</th><th>Z/Z_{20°C}</th><td>0.6 to 2.0</td><td></td><td></td><td></td><th></th></tr> <tr> <th>Endurance</th><th>85°C, 1,000h rated voltage applied</th><th>ΔC/C</th><td>Within±20% of the initial value</td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th></th><th></th><th>DF</th><td>≤ 1.5 times of the initial limit</td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th></th><th></th><th>LC</th><td>Within the initial limit</td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th>Damp heat (Steady State)</th><th>60°C, 90 to 95%RH, 500h, No-applied voltage</th><th>ΔC/C</th><td>Within+40%, -20% of the initial value</td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th></th><th></th><th>DF</th><td>≤ 1.5 times of the initial limit</td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th></th><th></th><th>LC</th><td>≤ 3 times of the initial limit</td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th>Surge</th><th>85°C, 1,000 cycles, 1kΩ discharge resistance, surge voltage applied</th><th>ΔC/C</th><td>Within±5% of the initial value</td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th></th><th></th><th>DF</th><td>Within the initial limit</td><td></td><td></td><td></td><td></td><th></th></tr> <tr> <th></th><th></th><th>LC</th><td>≤ 3 times of the initial limit</td><td></td><td></td><td></td><td></td><th></th></tr> </table>	Items	Condition	Specifications		Rated voltage (V)	—	2.5	4.0	6.3	8.0	10	12.5		Surge voltage (V)	—	2.9	4.6	7.2	9.2	12	14		Category temperature range (°C)	—	-55 to +105							Capacitance tolerance (%)	120Hz/20°C	M : ±20							Rated capacitance range (μF)	120Hz/20°C	33 to 220							Dissipation Factor (DF)	120Hz/20°C	Please see the attached characteristics list							Leakage current	Rated voltage applied, after 5 minutes	Please see the attached characteristics list							Equivalent series resistance (ESR)	100kHz/20°C	Please see the attached characteristics list							Characteristics of impedance ratio at high temp. and low temp.	100kHz/+20°C	-55°C	Z/Z _{20°C}	0.6 to 2.0							+105°C	Z/Z _{20°C}	0.6 to 2.0					Endurance	85°C, 1,000h rated voltage applied	ΔC/C	Within±20% of the initial value								DF	≤ 1.5 times of the initial limit								LC	Within the initial limit						Damp heat (Steady State)	60°C, 90 to 95%RH, 500h, No-applied voltage	ΔC/C	Within+40%, -20% of the initial value								DF	≤ 1.5 times of the initial limit								LC	≤ 3 times of the initial limit						Surge	85°C, 1,000 cycles, 1kΩ discharge resistance, surge voltage applied	ΔC/C	Within±5% of the initial value								DF	Within the initial limit								LC	≤ 3 times of the initial limit					
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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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