



Multilayer Band Pass Filter

For 2400-2500MHz

DEA162450BT-1298A1

1.6x0.8mm [EIA 0603]*

* Dimensions Code JIS[EIA]

Multilayer Band Pass Filter

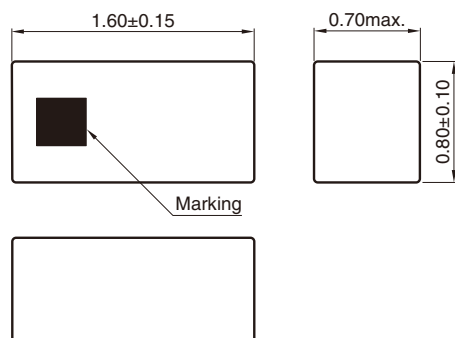
Conformity to RoHS Directive

For 2400-2500MHz

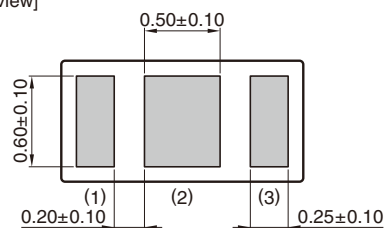
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SHAPES AND DIMENSIONS

[Top view]



[Bottom view]

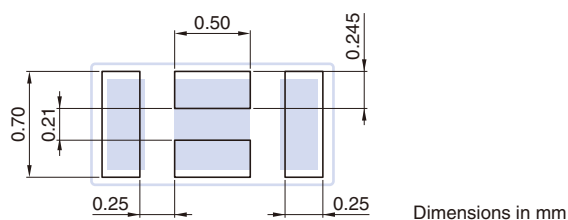


Terminal functions

1	IN
2	GND
3	OUT

Dimensions in mm

RECOMMENDED LAND PATTERN



Dimensions in mm

○ RoHS Directive Compliant Product: See the following for more details related to RoHS Directive compliant products. <http://product.tdk.com/en/environment/rohs/>

- All specifications are subject to change without notice.
- Before using these products, be sure to request the delivery specifications.

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ELECTRICAL CHARACTERISTICS

Item	Frequency Range (MHz)	Min.	Typ.	Max.
Insertion Loss (dB)	2400 to 2500	—	0.91	1.30
Return Loss (dB)	2400 to 2500	10	22.3	—
	800	25	26.7	—
Attenuation (dB)	4800 to 5000	30	52.0	—
	7200 to 7500	30	42.2	—
Characteristic Impedance (Ω)	50 (Nominal)			

· Ta: +25±5°C

TEMPERATURE RANGE

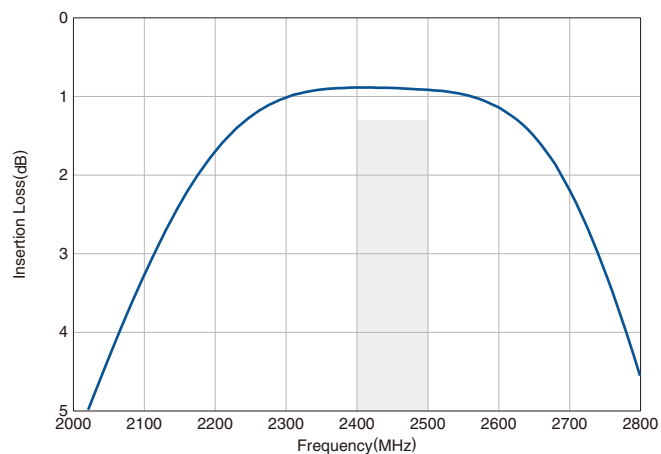
Operating temperature (°C)	Storage temperature (°C)
−40 to +85	−40 to +85

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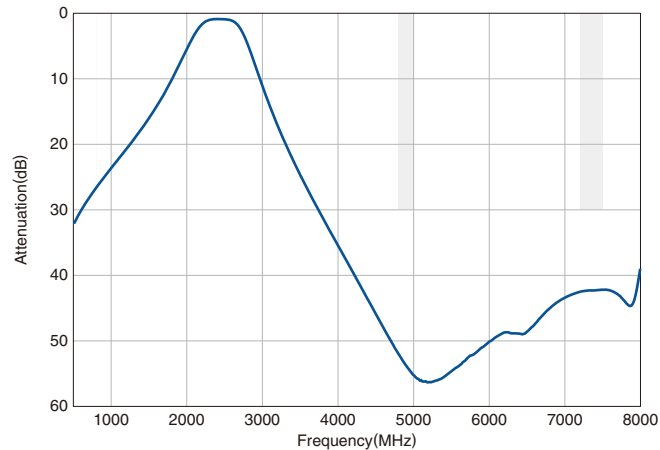
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FREQUENCY CHARACTERISTICS

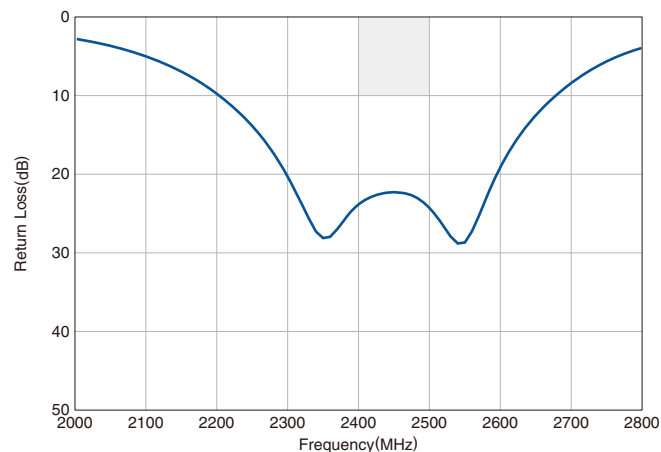
INSERTION LOSS



ATTENUATION



RETURN LOSS



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■ PACKAGING STYLE

Technical drawing of a circular mechanical part, showing front and side views with dimensions in mm.

Front View Dimensions:

- Central hole diameter: 2.0 ± 0.5
- Hub diameter: $\phi 13 \pm 0.2$
- Flange diameter: $\phi 21 \pm 0.8$
- Outer diameter: $\phi 180^{+9}_{-1.5}$

Side View Dimensions:

- Total thickness: 13 ± 1.0
- Central section thickness: $9^{+1.0}_{-0.0}$
- Hole diameter: $\phi 60^{+1.0}_{-0.0}$

Dimensions in mm

Technical drawing of a mechanical part with dimensions and tolerances. The drawing shows a side view of a component with a central hole and two side holes. The dimensions are as follows:

- Overall width: 8.00 ± 0.2
- Overall height: 1.75 ± 0.1
- Distance from left edge to center of first hole: $1.50^{+0.1}_0$
- Distance between centers of first and second holes: 2.00 ± 0.05
- Distance between centers of second and third holes: 4.00 ± 0.1
- Distance from center of third hole to right edge: 4.00 ± 0.1
- Distance from left edge to center of second hole: A
- Distance from center of second hole to right edge: B
- Distance from center of second hole to right edge: K

The drawing also includes a loading direction arrow pointing to the right and a cross-section view of the part.

A	B	F	K
0.97±0.05	1.80±0.05	3.50±0.05	0.75±0.05

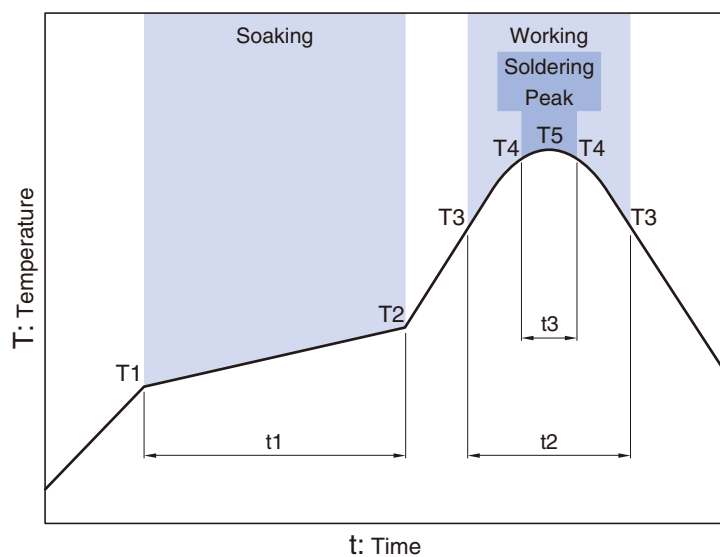
Standard package quantity
(pieces/reel)

4000

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RECOMMENDED REFLOW PROFILE



Soaking			Working		Soldering Peak		
Temp.		Time	Temp.	Time	Temp.	Time	Temp.
T1	T2	t1	T3	t2	T4	t3	T5
150°C	180°C	60 to 120s	230°C	more than 30s	247 to 253°C	within 10s	260°C max.

REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using these products.

REMINDERS

The products listed on this catalog are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.

The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property.

Please understand that we are not responsible for any damage or liability caused by use of the products in any of the applications below or for any other use exceeding the range or conditions set forth in this catalog.

- | | |
|---|--|
| (1) Aerospace/Aviation equipment | (8) Public information-processing equipment |
| (2) Transportation equipment (cars, electric trains, ships, etc.) | (9) Military equipment |
| (3) Medical equipment | (10) Electric heating apparatus, burning equipment |
| (4) Power-generation control equipment | (11) Disaster prevention/crime prevention equipment |
| (5) Atomic energy-related equipment | (12) Safety equipment |
| (6) Seabed equipment | (13) Other applications that are not considered general-purpose applications |
| (7) Transportation control equipment | |

When using this product in general-purpose applications, you are kindly requested to take into consideration securing protection circuit/equipment or providing backup circuits, etc., to ensure higher safety.

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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