

3 mm Square Surface Mount Miniature Trimmer Single-Turn Cermet Sealed


FEATURES

- 0.125 W at 70 °C
- Small size for optimum packaging density
- Suitable for both manual and automatic operations
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

DIMENSIONS in millimeters (inches) ± 0.25 mm (± 0.010 ")

TS3YJ

RECOMMENDED SOLDERING AREAS


ELECTRICAL SPECIFICATIONS	
Resistive element	Cermet
Electrical travel	220°
Resistance range	10 Ω to 2 MΩ
Stocked range	1 kΩ to 100 kΩ
Standard series	1 - 2 - 5
Tolerance standard	± 20 %
Circuit diagram	
Power rating	0.125 W at 70 °C
Temperature coefficient (max.)	≥ 100 Ω ± 150 ppm/°C / > 100 Ω ± 100 ppm/°C
Limiting element voltage (max.)	200 V
Contact resistance variation	3 % or 3 Ω
End resistance	1 % or 3 Ω
Dielectric strength (RMS)	500 V (sea level)
Insulation resistance (500 V _{DC})	100 MΩ

MECHANICAL SPECIFICATIONS	
Mechanical travel	250°
Operating torque (max. Ncm)	0.5
End stop torque (min. Ncm)	2
Unit weight (max. g)	0.1
Mechanical life (cycles)	50

Note

- Nothing stated herein shall be construed as a guarantee of quality or durability.

ENVIRONMENTAL SPECIFICATIONS	
Temperature range	-55 °C to +125 °C
Sealing	Sealed container IP67
MSL level	1

SOLDERING RECOMMENDATIONS
Recommended reflow profile 2, see Application Note www.vishay.com/doc?52029

STANDARD RESISTANCE ELEMENT DATA		
RESISTANCE	PART MARKING CODE	RESISTANCE CODE
10	A1	100
20	21	200
50	51	500
100	A2	101
200	22	201
500	52	501
1K	A3	102
2K	23	202
5K	53	502
10K	A4	103
20K	24	203
50K	54	503
100K	A5	104
200K	25	204
500K	55	504
1M	A6	105
2M	26	205

PACKAGING



ORDERING INFORMATION (Part Number)



DESCRIPTION (for information only)

TS3	YJ	50K	20 %		TR	e3
MODEL	STYLE	VALUE	TOLERANCE	SPECIAL	PACKAGING	LEAD FINISH



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Material Category Policy

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

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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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