

Isolator SMD





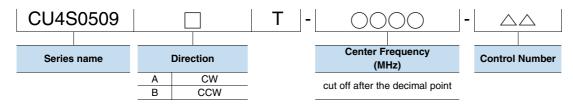
CU4S0509 Series



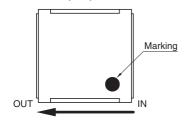




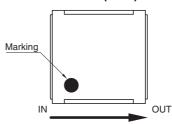
PART NUMBER CONSTRUCTION



□ DIRECTION OF CIRCULATION ClockWise(CW): A



CounterClockWise(CCW): B



ELECTRICAL CHARACTERISTICS

Frequency range	Center frequency	Isolation	Insertion loss	V.S.W.R. Zo=50Ω	Handling power	Reflection power	Part N	Number
(MHz)	(MHz)	(dB)	(dB)		(W)	(W) *4		
		min.	max.	max.	max.	max.	ClockWise	CounterClockWise
3600 to 3800	3700	9	1.10	1.8	5	2	CU4S0509AT-3700-00	CU4S0509BT-3700-00
3800 to 4000	3900	9	1.10	1.8	5	2	CU4S0509AT-3900-00	CU4S0509BT-3900-00

Characteristic Impedance (Ω) : 50(Nominal)

TEMPERATURE RANGE

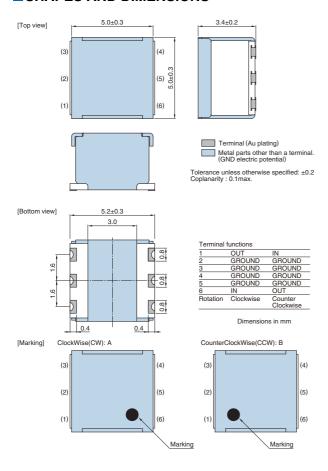
Operating temperature	Storage temperature		
(°C)	(°C)		
-40 to +105	-40 to +105		

^{*4} To be kept below +105deg.C at the bottom surface

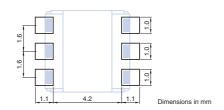


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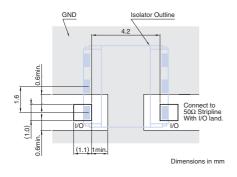
SHAPES AND DIMENSIONS



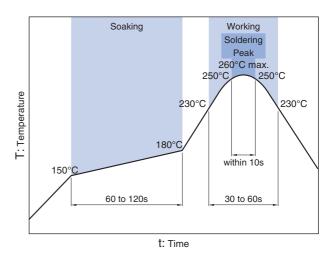
■ RECOMMENDED LAND PATTERN



RECOMMENDED PC BOARD PATTERN

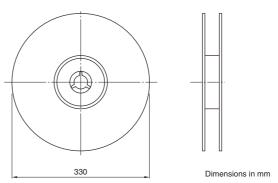


■ RECOMMENDED REFLOW PROFILE

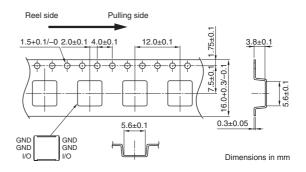


■ PACKAGING STYLE

REEL DIMENSIONS



TAPE DIMENSIONS



■PACKAGE QUANTITY

Standard package quantity	1000 pieces/reel



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

Please do not bring the magnet close to the product (Recommending is separating to 50cm or more). An electric characteristic might be deteriorated.

The magnetic field of 5mT or more must not go into the product when you make the magnet approach.

Moreover, please do not touch a soft magnetic material such as iron (Recommending is separating to 10mm or more). An electric characteristic might be deteriorated. An electric characteristic changes when bringing it close within 10mm(reversible change).

There is a leakage of some magnetism (0.3T or less) from the product.

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
- (2) Transportation equipment (cars, electric trains, ships, etc.)
- (3) Medical equipment
- (4) Power-generation control equipment
- (5) Atomic energy-related equipment
- (6) Seabed equipment
- (7) Transportation control equipment

- (8) Public information-processing equipment
- (9) Military equipment
- (10) Electric heating apparatus, burning equipment
- (11) Disaster prevention/crime prevention equipment
- (12) Safety equipment
- (13) Other applications that are not considered general-purpose applications

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.