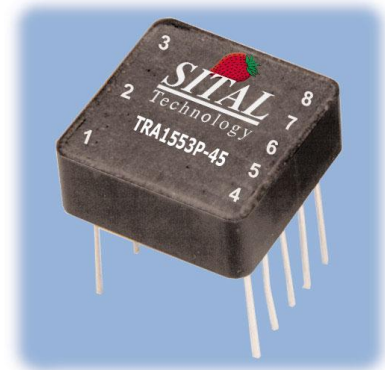


# TRA1553P-45

## MIL-STD-1553 TRANSFORMER, THROUGH THE BOARD PACKAGE

These Mil-Std-1553 interface transformers are built and tested in ISO 9002 approved facilities. They conform to all electrical and physical parameters of MIL-PRF-21038/27. The operating temperature is  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .



- dual ratio, single interface (see schematic)
- through the board package
- for use in MIL-STD-1553 applications
- size is 16mm X 16mm
- standard height, 0.250 in / 6.4mm height
- performance to MIL-PRF-21038/27 requirements
- built in ISO 9002 facility

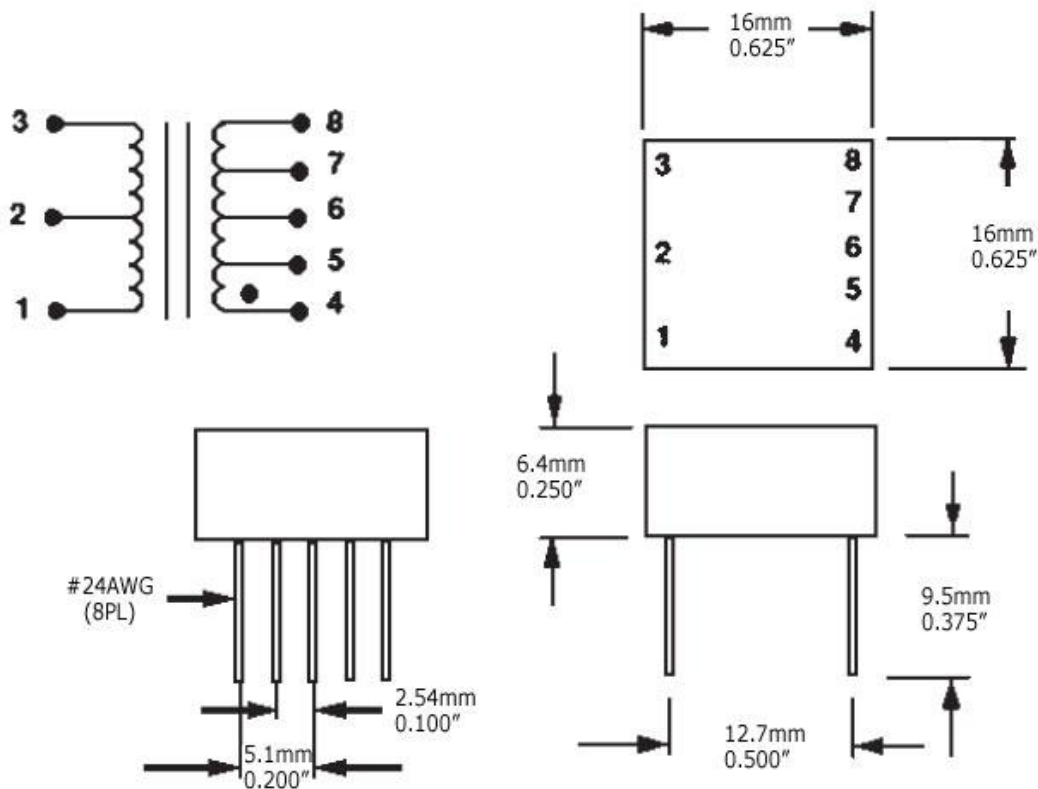
## APPLICABLE SPECIFICATIONS

- MIL-STD-1553B and Mil-Std-1760
- MIL-STD-202
- MIL-T-10727
- MIL-PRF-21038
- ISO 9002

## SUMMARY PERFORMANCE SPECIFICATIONS

Specification	Performance
Impedance	Min. 4000 Ohm
Droop	< 20%
Overshoot	+ 1V max
Common mode rejection (CMR)	> 45 dB
Frequency range (no load)	75 kHz to 1MHz
Operating temperature range	$-55^{\circ}\text{C}$ to $+125^{\circ}\text{C}$
Weight	< 5 grams
Insulation resistance (min)	10K megohms @ 250 Vdc
Dielectric withstanding voltage	100 Vrms

PART NO.	TERMINALS	RATIO ( $\pm 3\%$ )	RDC (ohms) MAX	IMPEDANCE (ohms) MIN.
TRA1553P-45	1-3:4-8	1CT:2.5CT	1-3 = 1.0	(4-8)
	1-3:5-7	1CT:1.79CT	4-8 = 3.5	4,000



**Notes:**

1. Dimensions are in mm/inches.
2. Tolerances: .xx = +.008
3. All specifications and dimensions are subject to change without notice.

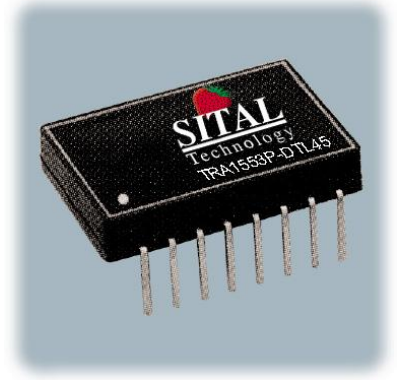
**ORDERING INFORMATION:**

TRA1553P-45

# TRA1553P-DTL45

## MIL-STD-1553 DUAL TRANSFORMER, THROUGH THE BOARD PACKAGE

These Mil-Std-1553 interface transformers are built and tested in ISO 9002 approved facilities. They conform to all electrical and physical parameters of MIL-PRF-21038/27. The operating temperature is -55°C to +125°C.



- dual ratio, dual interface (see schematic)
- through the board package
- for use in MIL-STD-1553 applications
- size is 16mm X 24mm
- low profile, 0.155 in / 3.9mm height
- performance to MIL-PRF-21038/27 requirements
- built in ISO 9002 facility

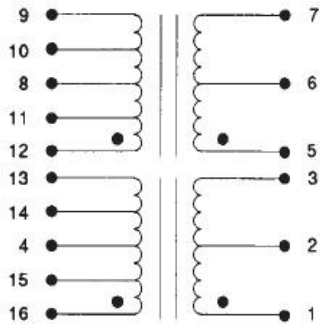
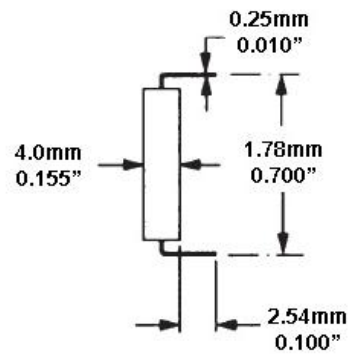
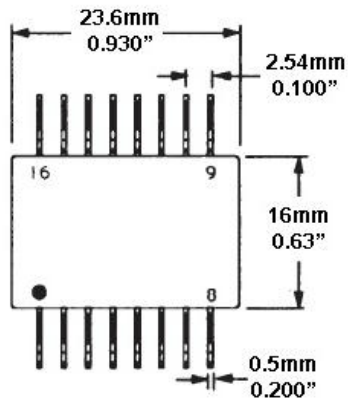
### APPLICABLE SPECIFICATIONS

- MIL-STD-1553B and Mil-Std-1760
- MIL-STD-202
- MIL-T-10727
- MIL-PRF-21038
- ISO 9002

### SUMMARY PERFORMANCE SPECIFICATIONS

Specification	Performance
Impedance	Min. 4000 Ohm
Droop	< 20%
Overshoot	+ 1V max
Common mode rejection (CMR)	> 45 dB
Frequency range (no load)	75 kHz to 1MHz
Operating temperature range	-55°C to +125°C
Weight	< 5 grams
Insulation resistance (min)	10K megohms @ 250 Vdc
Dielectric withstanding voltage	100 Vrms

PART NO.	TERMINALS	RATIO ( $\pm 3\%$ )	RDC (ohms) MAX	IMPEDANCE (ohms) MIN.
TRA1553P-DTL45	1-3:16-13 5-7:12-9	1CT:2.5CT	1-3, 5-7 = 1.0 16-13, 12-9 = 3.5	(16-13, 12-9) 4,000
	1-3:15-14 5-7:11-10	1CT:1.79CT		



**Notes:**

1. Dimensions are in mm/inches.
2. Tolerances: .xx = +.008
3. All specifications and dimensions are subject to change without notice.

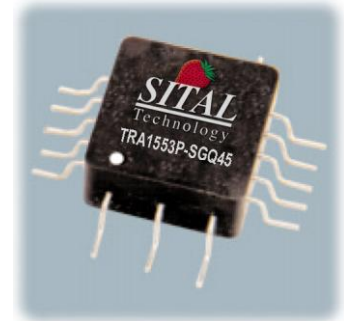
**ORDERING INFORMATION:**

TRA1553P-DTL45

# TRA1553P-SGQ45

## MIL-STD-1553 DUAL STACKED TRANSFORMER, SMT PACKAGE

These Mil-Std-1553 interface transformers are built and tested in ISO 9002 approved facilities. They conform to all electrical and physical parameters of MIL-PRF-21038/27. The operating temperature is  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .



- dual ratio, dual interface (see schematic)
- Surface mount package
- for use in MIL-STD-1553 applications
- size is 16mm X 16mm
- low profile, 0.340 in / 8.9mm height
- performance to MIL-PRF-21038/27 requirements
- built in ISO 9002 facility

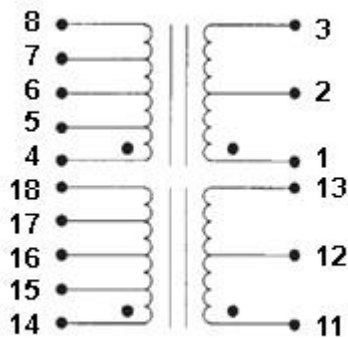
## APPLICABLE SPECIFICATIONS

- MIL-STD-1553B and Mil-Std-1760
- MIL-STD-202
- MIL-T-10727
- MIL-PRF-21038
- ISO 9002

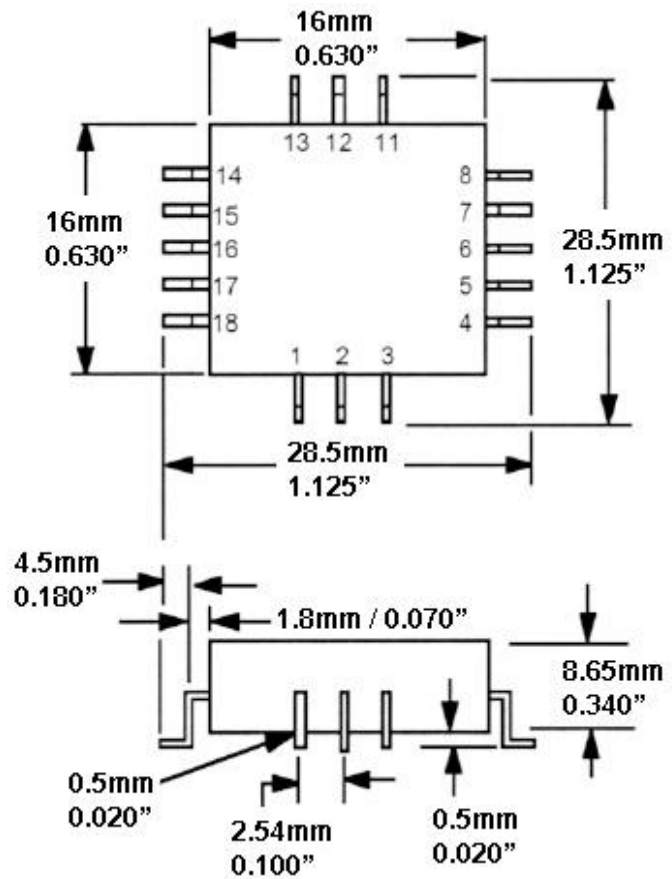
## SUMMARY PERFORMANCE SPECIFICATIONS

Specification	Performance
Impedance	Min. 4000 Ohm
Droop	< 20%
Overshoot	+ 1V max
Common mode rejection (CMR)	> 45 dB
Frequency range (no load)	75 kHz to 1MHz
Operating temperature range	$-55^{\circ}\text{C}$ to $+125^{\circ}\text{C}$
Weight	< 5 grams
Insulation resistance (min)	10K megohms @ 250 Vdc
Dielectric withstanding voltage	100 Vrms

PART NO.	TERMINALS	RATIO ( $\pm 3\%$ )	RDC (ohms) MAX	IMPEDANCE (ohms) MIN.
TRA1553P-SGQ45	1-3:4-8 11-13:14-18	1CT:2.5CT	1-3 / 11-13 1.0	(4-8 & 14-18) 4,000
	1-3:5-7 11-13:15-17	1CT:1.79CT	4-8 / 14-18 3.5	


**Notes:**

1. Dimensions are in mm/inches.
2. Tolerances:  $\pm 0.4\text{mm} / 0.015''$
3. All specifications and dimensions are subject to change without notice.


**ORDERING INFORMATION:**

TRA1553P-SGQ45