

Ultrasonic Transducers



Ultrasonic Receivers and Transmitters

Part Number	Frequency KHz.	SPL	Capacitance pF +/- 30%	Max. Voltage	Dia. (mm)	Ht. (mm)	Lead Space (mm)
TRU-25x-16P	25	112	1,900	30 rms	16.1	12.0	10.0
TRU-25x-16B	25	112	1,900	30 rms	16.1	12.0	10.0
TRU-25x-16W	25	112	1,900	30 rms	16.1	12.0	10.0
TRU-33x-16B	32.8	114	2,100	30 rms	16.1	12.0	10.0
TRU-40x-16P	40	119	1,900	30 rms	16.1	12.0	10.0
TRU-40x-12B	40	115	1,900	30 rms	12.7	9.4	8.5
TRU-40x-10P	40	112	1,650	20 rms	9.9	6.8	5.0
TRU-40x-10W	40	112	1,650	20 rms	9.9	6.8	5.0

"X" position – use "R" to specify receiver, "T" for transmitter

Combined Units - Receiver/Transmitter @ 40KHz

Part Number	S/N Ratio	Ring Time ms	Capacitance pF +/- 20%	Max. Voltage*	Dia. (mm)	Ht. (mm)	Detection angle (°)
TRU-40CA-18S	>5	≤1.1	1,750	160	18.0	12.0	180
TRU-40CA-18R1	>10	≤0.4	2,350	160	18.0	10.6	170
TRU-40CA-18C	>9	≤0.5	2,350	160	18.0	12.0	88
TRU-40CA-18E	>7	≤0.8	1,950	160	18.0	12.0	70
TRU-40CA-15E	>8	≤0.6	2,350	160	15.0	6.0	88
TRU-40CA-25E	>8	≤1.0	1,950	160	15.0	12.0	48

* Maximum Voltage with 5% duty cycle square wave

Special Purpose Combined Unit - Custom Detection Angle @ 40KHz

Detection angle is 65° in horizontal axis and 35° in vertical axis.

Especially useful in automotive rear sonal applications to reduce/eliminate false alarms caused by the ground.

Part Number	S/N Ratio	Ring Time ms	Capacitance pF +/- 20%	Max. Voltage*	Dia. (mm)	Ht. (mm)	Detection angle (°)
TRDU-40CA-15D	>5	≤1.2	1,750	160	15.0	9.0	65 / 35

* Maximum Voltage with 5% duty cycle square wave