



Ultrasonic Welding Transducer



Ultrasonic Welding Transducer are designed to operate at a specific frequency from 15 to 300 kHz for different systems and applications. Most metal welding systems operate at 20 to 70 kHz, with 20 kHz being the most common frequency.

SPECIFICATION OF ULTRASONIC WELDING TRANSDUCER

Type	Capacity (pf)	Resonance Impedance (Ω)	Full-length (mm)	Joint Bolt (mm)	Frequency (KHz)	Input Power (W)
USTW-TR-152500F-70S PZT8	13000	15	153	M20×1.5	15	2500
USTW- TR-152000F-60S PZT8	9500	10	167	M20×1.5	15	2000
USTW- TR-151500F-50S PZT8	12500	12	171	M18×1.5	15	1500
USTW- TR-201800F-60S PZT4	15000	15	118	M20×1.5	20	1800
USTW- TR-202000F-55SPZT8	11000	10	128	M18×1	20	2000
USTW- TR-201500F-50SPZT8	10000	12	124	M18×1.5	20	1500
USTW- TR-20700F-40SH PZT8	9000	15	112	1/2-20 UNF	20	700
USTW- TR-20900F-40SH PZT8	10000	15	133	1/2-20 UNF	20	900
USTW- TR-20600D-50D PZT8	6000	15	121	M18×1.5	20	600
USTW-30500F-30S PZT8	5500	5	77	M10×1.5	30	500
USTW- TR-28200D-30S PZT4	3000	20	92.1	M10×1	28	200
USTW- TR-28100D-25S PZT8	2200	25	91	M8×1	28	100
USTW- TR-28250D-38SPZT8	4000	20	94	1/2-20 UNF	28	250
USTW- TR-202000L-50HPZT8	20000	10	128	1/2-20 UNF	20	2000
USTW- TR-201500L-40HPZT8	16000	10	124	1/2-20 UNF	20	1500
USTW- TR-201300F-50HPZT8	12500	10	128	1/2-20 UNF	20	1300
USTW- TR-201500F-50HPZT8	11000	10	132	1/2-20 UNF	20	1500
USTW- TR-209000F2040HPZT8	9500	10	123	1/2-20 UNF	20	900
USTW- TR-152000F-60HPZT4	10000	12	171	M18×1.5	15	2000
USTW- TR-35100D-25SH PZT8	2200	25	71	M8×1	35	100
USTW- TR-38100D-20SH PZT8	1200	40	66	M8×1.25	38	100
USTW- TR-38200D-30H PZT4	3300	14	65	M8×1	38	