

## Product Summary - Rugged Amplifiers/Transmitter Subsystems

Please note - these are generic types only – many other variants are available to order

Type Number	Frequency Range GHz	Output Power W (RF)	Gain dB	Duty Cycle %	Pulse Length us	Prime Power	Tube/Gun Type	Cooling	Size LxWxH mm	Weight kg	Application	Special Features
<b>19" Rack Format Transmitter Subsystems</b>												
PTX7518	8.4-9.45	3500	47	10	100	115 VAC, 3-Ph, 400 Hz	Grid TWT	Integ FA	610x483x178	45	R	Integral dummy load, long pulse
PTX7472	8.8-10.0	3600	65	10	50	115 VAC, 3-Ph, 400 Hz	Grid TWT	Integ FA	508x483x178	30	R	
PTX7468	9.0-9.5	8000	60	5	50	115 VAC, 3-Ph, 400 Hz	Grid TWT	Integ FA	508x483x178	30	R	
PTX7547	9.0-9.5	8000	53	2	30	115 VAC, 3-Ph, 400 Hz	Grid TWT	Integ FA	480x483x178	25	R	Includes diplexer and LNA
PTX7437	9.0-9.5	8000	60	2	20	115 VAC, 3-Ph, 400 Hz	Grid TWT	Integ FA	355x430x155	20	R	Compact Size
PTX7481	9.7-9.9	3600	46	10	50	110 VAC, 1-Ph, 60 Hz	Grid TWT	Integ FA	508x483x178	25	R	Single phase input
<b>Special Outline Transmitter Subsystems</b>												
PTX7449/1	2.5-8.0	1000	40	6	15	28 VDC	Grid TWT	Integ FA	575x355x220	25	R	
PTX7602/1	2.75-3.05	50000	77	2.4	200 ns to 30 us	440 VAC, 3-Ph, 50/60 Hz	Grid TWT	Integ FA	1200 x600x1600	500	R	Air Traffic Control/ Naval
PTX7948	3.1-3.4	11000	50	4.5	20 us	115 VAC, 3-Ph, 400 Hz	Gridded TWT	FA	630x480x195	35	R	Very low noise

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PTX7443	3.1-3.5	900	40	15.5	25	115 VAC, 3-Ph, 400 Hz	Grid TWT	FA	500x380x175	20	R	
PTX7514	5.8-6.7	350	55	CW	-	100 VDC	Diode TWT	Cond'n	450x270x106	11	C	Low noise
PTX7486	8.0-18.0	200	33	CW	-	115 VAC, 3-Ph, 400 Hz	Grid TWT	Liquid	520x220x145	27	EW	Naval
PTX7485	8.0-18.0	1000	50	4	50	115 VAC, 3-Ph, 400 Hz	Grid TWT	Liquid	520x220x145	27	EW	Naval
PTX7595	9.0-9.5	8000	60	5	200 ns to 100 us	115 VAC, 3-Ph, 4-wire line-neutral, 400 Hz	Grid or Helix TWT	FA	560x380x210	30	R	Very low noise
PTX7451	9.0-9.5	50000	45	3	100	115 VAC, 3-Ph. 400 Hz	Grid EIK/CCTWT	Liquid	508x483x254	45	R	
PTX7526	9.2-10.0	3500	50	4	20	28 VDC	Grid TWT	Cond'n	400x400x125	18	R	Small outline
PTX7550	Ku band	400	33	25	2.5	57 VDC	Grid TWT	Cond'n	220x195x80	5.1	EW	Fast warm
<b>Modular Amplifiers (separate HVPSU &amp; TWT)</b>												
PTX7681	X band	4000	45	10	50	270 VDC	Grid TWT	Cond'n	390x260x103	13	R	
PTX7722	9.0-10.0	4000	40	10	150	115 VAC. 3-Ph, 400 Hz	Grid TWT	Cond'n	440x270x120	18	R	Very low noise
PTX7474	9.0-10.0	8000	45	5	50	115 VAC. 3-Ph, 400 Hz	Grid TWT	Cond'n	390x260x103	13	R	Low noise
PTX7436	9.5-10.0	8000	60	2	25	115 VAC, 3-Ph, 400 Hz	Grid TWT	Cond'n	360x250x103	12	R	
PTX7541	Ku	2000	60	2	40	115 VAC, 3-Ph, 400 Hz	Grid TWT	Cond'n	360x250x103	12	R	

EW - Electronic Warfare; R - Radar; C – Communications; FA - Forced Air; FE - Focus Electrode; DR - Drone

## Product Summary - Rugged Amplifiers/Transmitter Subsystems - Accessories

TMD is also able to provide control boxes and filters according to customers' requirements.

### Control Boxes

Custom control boxes can be provided for many of TMD PTX MPMs and rugged amplifiers (Datasheet EVD6106 describes the range)

### EMI Filters

PTF6483    Designed to operate with PTM6482 power supply, meeting the emissions requirements of MIL-STD-461E.

PTF6959    Designed to supplement the input filter already fitted within the PTM6688 and PTM6559 series high voltage power supplies meeting the emissions requirements of MIL-STD-461E:

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