

M-OV Travelling Wave Tubes — Low Noise

Frequency range (GHz)	Type	Saturated output power (mW)	Noise factor (dB)	Low level gain (dB) ¶	Helix voltage (kV)	Collector		R.F. connectors	Focus system
						Voltage (kV)	Current (mA)		
2.0–4.1	TWS17 §	20	11	38.5	0.435	0.7	0.8	Coaxial	PPM
2.0–4.1	TWS26 §■	20	11	38.5	—	—	—	Coaxial	PPM◇
4.0–8.0	TWC18 §	20	11	38.5	0.75	1.05	1.0	Coaxial	PPM
4.0–8.0	TWC27 §■	20	11	38.5	—	—	—	Coaxial	PPM◇
7.0–12.0	TWX19 §	10	11	37	1.2	1.5	1.0	Coaxial	PPM
7.0–12.0	TWX28 §■	10	11	37	—	—	—	Coaxial	PPM◇
12.0–18.0	TWJ20 §	7	14.5	30	1.2	1.5	1.2	Waveguide	PPM
12.0–18.0	TWJ29 §■	7	14.5	30	—	—	—	Waveguide	PPM◇
12.0–18.5	TWJ30 §	3	13.5	35	1.2	1.5	0.6	Waveguide	PPM
12.0–18.5	TWJ33 §■	3	13.5	35	—	—	—	Waveguide	PPM◇

¶ Gain at 3dB below saturation output power level.

§ Rugged.

◇ Integral power supply.

■ Made to special order only.