TELEDYNE MEC

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An ISO 9001:2000 Quality System Certified Company

GENERAL PURPOSE TWTs (CONTINUOUS WAVE)

Page #	Model	Frequency (GHz)	Power (W)	Duty (%) Max	Typical Gain (dB) Min/Max @ Rated Pout	Efficiency (%) Typical	Modulation (Control Electrode)	Output Connection	Weight (Lbs/Kg) (NTE)
1	M5670NO	0.8 – 2.0	250 *	100	24/37	17 *	N/A	N	10/4.5
	MEC 5670	0.8 – 2.0	250 *	100	24/37	17 *	GRID	N	10/4.5
2	MTD 5119	0.8 – 2.8	250 *	100	30/50	20 *	N/A	N	10/4.5
	MEC 5119	0.8 – 2.8	250 *	100	30/50	20 *	GRID	N	10/4.5
3	MEC 5203	1.0 – 2.5	535 *	100	28/32	22 *	GRID	SC	15/6.8
4	MTE 5107	2.0 – 4.0	250	100	40/52	22	N/A	N	8/3.6
5	MEC 5208	2.0 – 8.0	250 *	100	37/62	19 *	GRID	SC	9/4.1
6	MEC 5196	2.0 – 8.0	450 *	100	26/46	26 *	GRID	SC	9/4.1
7	MTG 5082H	2.5 – 8.0	275	100	40/64	23	GRID	SC	8/3.6
8	MEC 5296	2.5 – 7.5	535	100	31/43	28	GRID	SC	9/4.1
9	MEC 5498	2.5 – 7.5	535	100	26/43	28	GRID	WRD 250	9.5/4.32
10	MEC 5497	2.5 – 7.5	630	100	31/43	37	GRID	SC	9/4.1
11	M5889NO	4.0 – 8.0	250	100	45/58	21	N/A	N	9/4.1
	MEC 5889	4.0 – 8.0	250	100	45/58	21	GRID	N	9/4.1
12	MEC 5096	5.0 – 11.0	400	100	31/33	30	GRID	WRD 475	9/4.1
13	MTG 5130	5.0 – 11.0	500 *	100	40/57	21	FE	WRD 475	8/3.6
14	MEC 5413	6.0 – 18.0	200	100	35/46	20	GRID	WRD 650	9/4.1
	MEC 5414	6.0 – 18.0	200	100	35/46	20	FE	WRD 650	9/4.1
15	MEC 5423	6.0 – 18.0	250	100	35/46	23	GRID	WRD 650	9/4.1
	MEC 5424	6.0 – 18.0	250	100	35/46	23	FE	WRD 650	9/4.1
16	MEC 5415	6.0 – 18.0	300	100	35/46	26	GRID	WRD 650	9/4.1
	MEC 5416	6.0 – 18.0	300	100	35/46	26	FE	WRD 650	9/4.1
17	MEC 5409	6.5 – 18.0	200	100	35/46	20	GRID	WRD 650	9/4.1
	MEC 5410	6.5 – 18.0	200	100	35/46	20	FE	WRD 650	9/4.1
18	MEC 5421	6.5 – 18.0	250	100	35/45	24	GRID	WRD 650	9/4.1
	MEC 5422	6.5 – 18.0	250	100	35/45	24	FE	WRD 650	9/4.1
19	MEC 5411	6.5 – 18.0	300	100	35/45	25	GRID	WRD 650	9/4.1
	MEC 5412	6.5 – 18.0	300	100	35/45	25	FE	WRD 650	9/4.1
20	MEC 5405	7.5 – 18.0	200	100	38/55	22	GRID	WRD 750	9/4.1
	MEC 5406	7.5 – 18.0	200	100	38/55	22	FE	WRD 750	9/4.1
21	MEC 5419	7.5 – 18.0	250	100	38/55	25	GRID	WRD 750	9/4.1
	MEC 5420	7.5 – 18.0	250	100	38/55	25	FE	WRD 750	9/4.1
22	MEC 5407	7.5 – 18.0	300	100	38/55	29	GRID	WRD 750	9/4.1
	MEC 5408	7.5 – 18.0	300	100	38/55	29	FE	WRD 750	9/4.1
23	MEC 5493	18.0 – 27.0	50	100	26/28	20 *	FE	2X WRD 180	7/3.2
24	MEC 5496	26.5 – 40.0	40	100	34/48	20 *	FE	2X WRD 180	7.5/3.4

* Over majority of frequency range – Performance may be reduced at band edges.