TELEDYNE MEC
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An ISO 9001:2000 Quality System Certified Company

COMMUNICATION TWTs

Page #	Model	Frequency Band	Power (W)	Duty (%) Max	Typical Gain (dB) Min/Max @ Rated Pout	Efficiency (%) Typical	Modulation (Control Electrode)	Output Connection	Weight (Lbs/Kg) (NTE)
46	MEC 5417	5.85-6.45	282 **	100	41/39	19	GRID	WRD 580	8.5/3.9
47	MEC 5337	C/Ku	350/400	100	38/52	27	GRID	WRD 580	8.5/3.9
48	MTG 5336B	C/Ku	325/325	100	38/52	27	FE	WRD 580	8.5/3.9
49	MTG 5336AX	C/Ku	400/400	100	38/52	30	FE	WRD 580	8.5/3.9
50	MTG 5333	C/X/Ku	325/400/325	100	37/46/48	27	GRID	WRD 580	8.5/3.9
	MTG 5336	C/X/Ku	325/400/325	100	37/46/48	27	FE	WRD 580	8.5/3.9
51	MTG 5338X	C/X/Ku	350/600/350	100	37/46/48	35 *	FE	WRD 580	8.5/3.9
52	MEC 5450X	7.9-8.4	600	100	46	35	FE	CMR 112	8.5/3.9
53	MEC 5441	Ku/DBS	350/300	100	48/39	29 *	GRID	WR 62	7.5/3.4
	MEC 5442	Ku/DBS	350/300	100	48/39	29 *	FE	WR 62	7.5/3.4
54	MEC 5452	13.75-14.50	500	100	57/58	40	FE	WR 75	8.5/3.9
	MEC 5455	13.75-14.50	500	100	57/58	40	GRID	WR 75	8.5/3.9
55	MEC 5466	17.30-18.40	450/500	100	45/47	32 *	FE	WR 62	9.0/4.1
56	MEC 5495	27.00-31.00	120	100	34	17 **	FE	2X WR 28	7.0/3.2

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

** With <-26 dBc QPSK spectral regrowth @ mid band.

Note: RF input components may be integrated with the TWT at TET to improve system gain and phase variation performance.