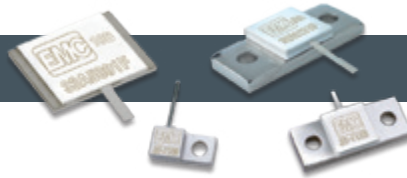


32 & 5 Series

Flange Termination



EMC Technology offers the widest selection of flange mount terminations worldwide. High power flange mount components offer excellent performance and the convenience of bolt-in installation. The flanged mounted devices deliver power ratings up to 1000 watts and frequency ranges from DC to 18 GHz. The packages are available in single hole, double hole and four hole flange configurations. Tab strain relief is available on all configurations.

We also have a line of flange terminations that offers the lowest Passive *Intermodulation* (PIM) distortion in the market and which are 100% tested to guarantee the highest performance.

Optional lead forming is available.

All devices with the "32" prefix have thin film resistor elements while the part numbers beginning with "5" have thick film resistors.

Specifications

Impedance	50 Ohms
Resistance Range	10 to 250 Ohms
Frequency Range	DC to 18 GHz
Power Rating	100% to 100°C*
Derates to	0% @ 150 °C
Operating Temperature	-55 °C to 150 °C
Resistor	Thick or Thin Film
Tab Contact	Beryllium Copper, Tin or Silver Plated
Cover	Alumina
Mounting Flange	Copper, Nickel Plated

*100°C is referenced at the heat sink

Part Numbering Code

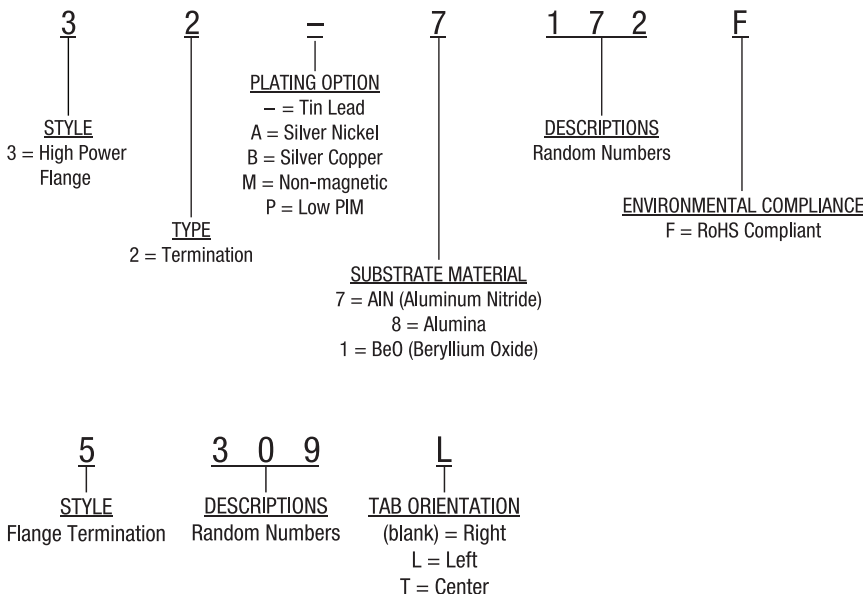


Figure 1L

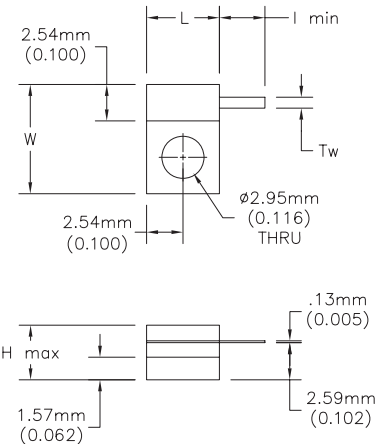


Figure 1C

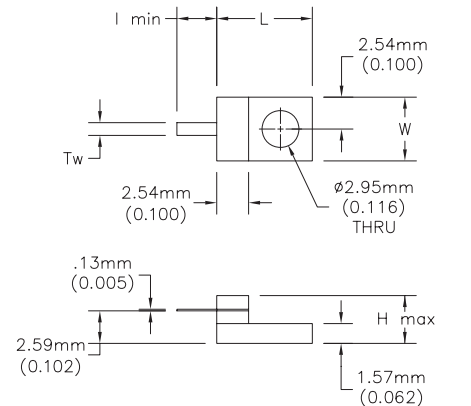
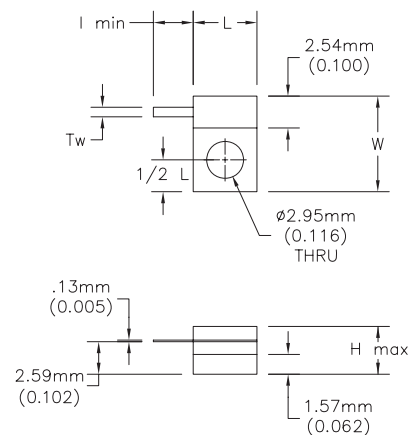


Figure 1R



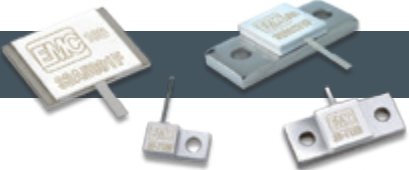


Figure 2L

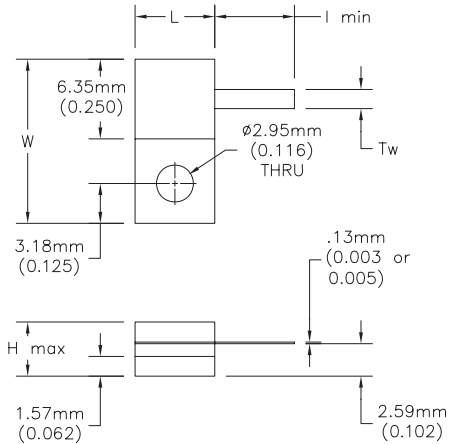


Figure 2C

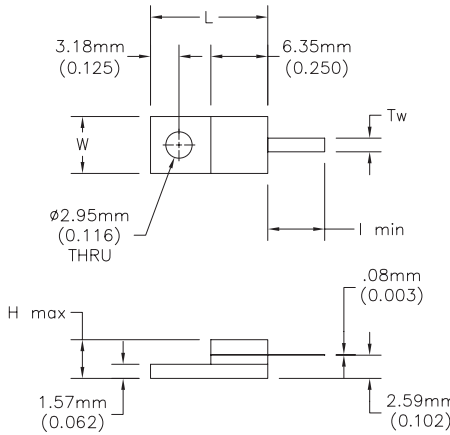


Figure 2R

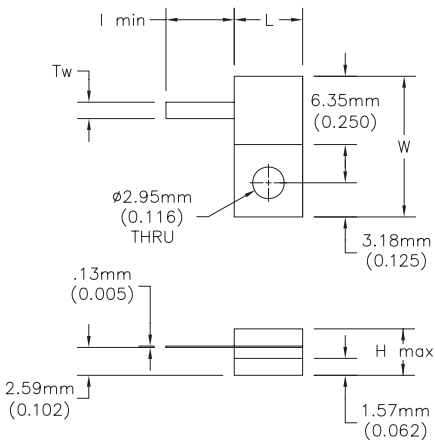


Figure 3

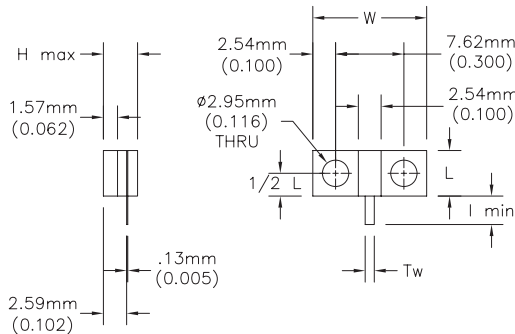


Figure 4

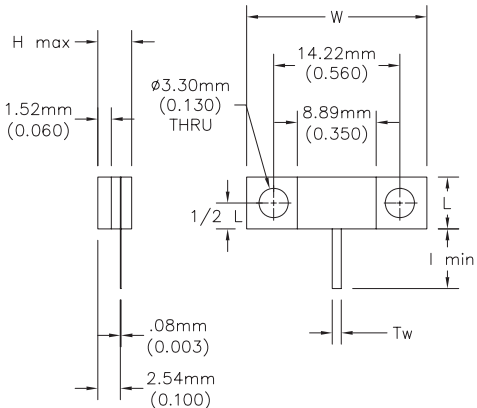
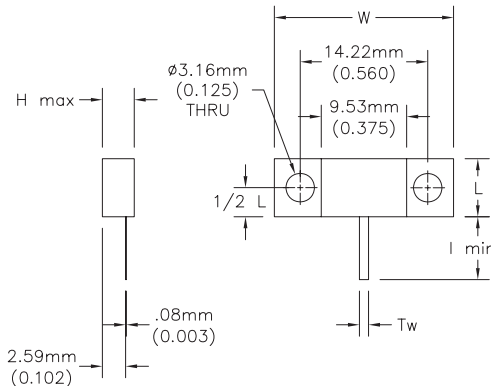


Figure 5



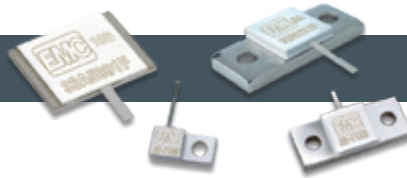


Figure 6

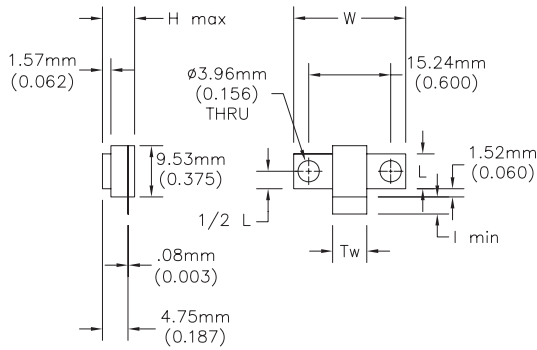


Figure 7

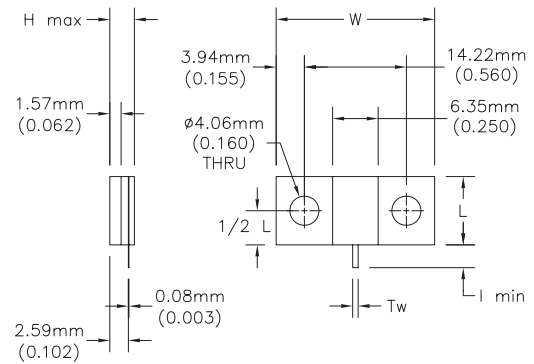


Figure 8

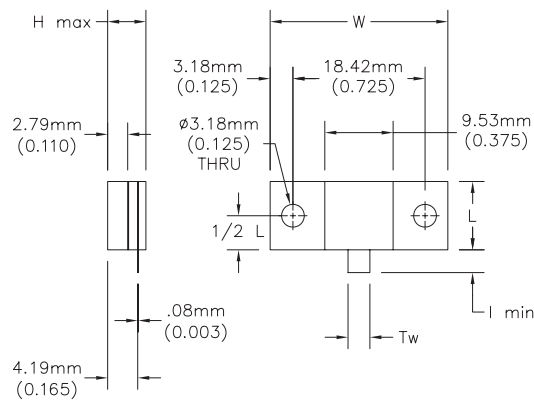


Figure 9

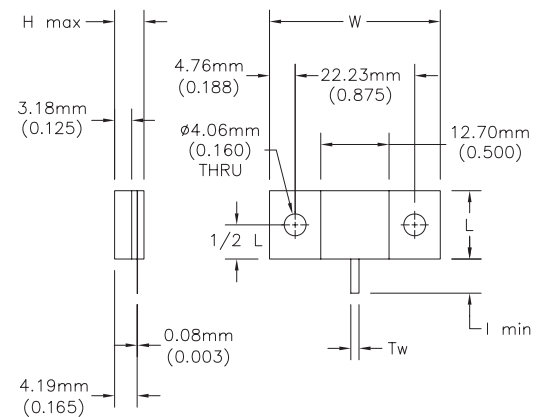


Figure 10

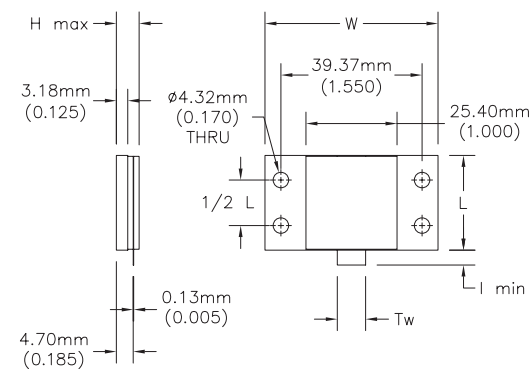
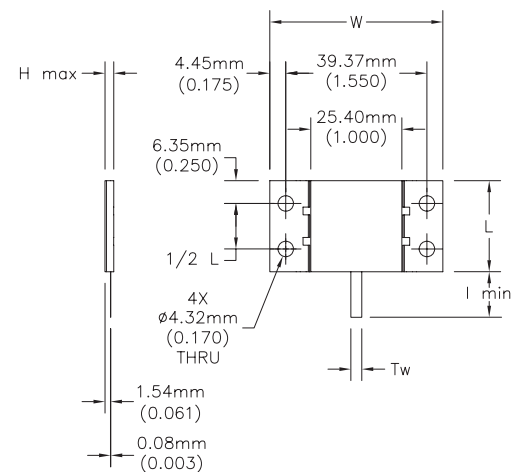
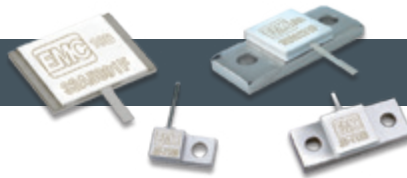


Figure 11





32 & 5 Series

Product Information

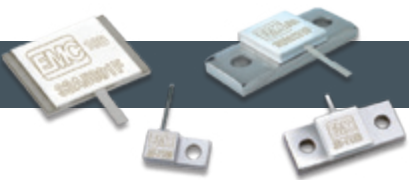
Power	Frequency	VSWR	Substrate	L		W		H		TW		Mounting Direction	Part Series #	Figure #
Watt	GHz	Max:1		mm [inches]										
10	18.00	1.60	AlN	7.62	[0.300]	5.08	[0.200]	3.81	[0.150]	0.76	[0.030]	Center	32 7024*	1C
10	6.00	1.25	BeO	7.62	[0.300]	5.08	[0.200]	3.81	[0.150]	1.02	[0.040]	Center	32 1198*	1C
10	18.00	1.50	BeO	7.62	[0.300]	5.08	[0.200]	3.81	[0.150]	1.02	[0.040]	Center	32 1137*	1C
10	10.00	1.40	BeO	5.08	[0.200]	7.62	[0.300]	3.56	[0.140]	1.02	[0.040]	Right	32 1111*	1R
10	10.00	1.40	BeO	5.08	[0.200]	7.62	[0.300]	3.56	[0.140]	1.02	[0.040]	Left	32 1068*	1L
10	4.00	1.35	BeO	5.08	[0.200]	7.62	[0.300]	3.81	[0.150]	1.02	[0.040]	Right	32 1041*	1R
10	4.00	1.35	BeO	5.08	[0.200]	7.62	[0.300]	3.81	[0.150]	1.02	[0.040]	Left	32 1006*	1L
10	4.00	1.35	BeO	12.70	[0.500]	5.08	[0.200]	4.06	[0.160]	1.02	[0.040]	Right	5323*	3
20	2.00	1.35	BeO	6.35	[0.250]	13.08	[0.515]	4.32	[0.170]	1.52	[0.060]	Left	32 1001*	2L
20	2.00	1.35	BeO	13.08	[0.515]	6.35	[0.250]	4.32	[0.170]	1.52	[0.060]	Center	32 1014*	2C
30	4.00	1.20	BeO	6.35	[0.250]	13.08	[0.515]	3.56	[0.140]	1.52	[0.060]	Right	32 1039*	2R
30	4.00	1.25	BeO	13.08	[0.515]	6.35	[0.250]	3.56	[0.140]	1.52	[0.060]	Center	32 1035*	2C
30	4.00	1.25	BeO	6.35	[0.250]	13.08	[0.515]	3.56	[0.140]	1.52	[0.060]	Left	32 1034*	2L
30	4.00	1.25	BeO	6.35	[0.250]	13.08	[0.515]	3.81	[0.150]	1.52	[0.060]	Left	32 1050*	2L
30	4.00	1.25	BeO	6.35	[0.250]	13.08	[0.515]	3.81	[0.150]	1.52	[0.060]	Right	32 1051*	2R
40	8.40	1.30	BeO	13.08	[0.515]	6.35	[0.250]	3.05	[0.120]	1.02	[0.040]	Center	32 1070*	2C
40	8.40	1.30	BeO	6.35	[0.250]	13.08	[0.515]	3.05	[0.120]	1.02	[0.040]	Right	32 1047*	2R
40	8.40	1.30	BeO	6.35	[0.250]	13.08	[0.515]	3.05	[0.120]	1.02	[0.040]	Left	32 1046*	2L
40	6.00	1.30	BeO	5.84	[0.230]	20.32	[0.800]	3.81	[0.150]	1.02	[0.040]	2 Hole	32 1007*	4
50	14.50	1.35	BeO	6.35	[0.250]	13.08	[0.515]	3.81	[0.150]	1.02	[0.040]	Left	32 1200*	2L

Peak power is typically 10 times the max power rating with a 1% duty cycle and 10 microsecond pulse width.

“**” is a place holder. See part number configurations to complete the part number

32 & 5 Series

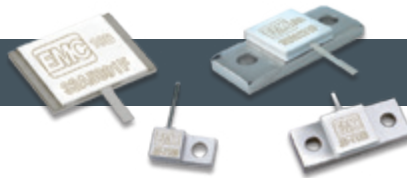
Product Information



Power	Frequency	VSWR	Substrate	L		W		H		TW		Mounting Direction	Part Series #	Figure #
Watt	GHz	Max:1		mm [inches]										
60	1.50	1.20	BeO	6.48	[0.255]	19.99	[0.787]	3.56	[0.140]	1.52	[0.060]	2 Hole	32 1168*	5
60	2.00	1.35	BeO	13.08	[0.515]	6.35	[0.250]	3.56	[0.140]	1.52	[0.060]	Center	32 1138*	2C
60	6.00	1.20	BeO	6.35	[0.250]	13.08	[0.515]	3.81	[0.150]	1.02	[0.040]	Left	32 1121*	2L
60	6.00	1.20	BeO	6.35	[0.250]	13.08	[0.515]	3.81	[0.150]	1.02	[0.040]	Right	32 1117*	2R
60	6.00	1.20	BeO	6.48	[0.255]	19.99	[0.787]	3.56	[0.140]	1.52	[0.060]	Center	32 1036*	5
60	6.00	1.20	BeO	13.08	[0.515]	6.35	[0.250]	3.81	[0.150]	1.02	[0.040]	Center	32 1122*	2C
60	2.00	1.25	AlN	9.53	[0.375]	22.10	[0.870]	3.48	[0.137]	1.02	[0.040]	2 Hole	32 7196*	7
75	2.40	1.30	BeO	9.52	[0.375]	22.10	[0.870]	5.08	[0.200]	1.52	[0.060]	2 Hole	32 1074*	7
75	1.50	1.40	BeO	9.52	[0.375]	20.83	[0.820]	5.97	[0.235]	6.35	[0.250]	Center	32 1002*	6
100	4.00	1.20	AlN	13.08	[0.515]	6.35	[0.250]	3.56	[0.140]	0.76	[0.030]	Center	32 7165*	2C
100	4.00	1.20	AlN	6.35	[0.250]	13.08	[0.515]	3.56	[0.140]	0.76	[0.030]	Right	32 7164*	2R
100	6.00	1.30	BeO	6.35	[0.250]	13.08	[0.515]	3.56	[0.140]	1.52	[0.060]	Right	32 1158*	2R
100	6.00	1.30	BeO	13.08	[0.515]	6.35	[0.250]	3.56	[0.140]	1.52	[0.060]	Center	32 1157*	2C
100	6.00	1.30	BeO	6.35	[0.250]	13.08	[0.515]	3.56	[0.140]	1.52	[0.060]	Left	32 1156*	2L
100	4.00	1.20	AlN	6.35	[0.250]	13.08	[0.515]	3.81	[0.150]	0.76	[0.030]	Left	32 7163*	2L
100	6.00	1.30	BeO	5.84	[0.230]	20.32	[0.800]	3.81	[0.150]	1.02	[0.040]	2 Hole	32 1055*	4
100	4.00	1.25	BeO	20.32	[0.800]	5.84	[0.230]	4.06	[0.160]	1.02	[0.040]	Right	5653*	4
100	4.00	1.25	AlN	20.32	[0.800]	5.84	[0.230]	4.06	[0.160]	1.02	[0.040]	2 Hole	5653ALN	4
110	2.00	1.25	AlN	1.91	[0.075]	22.10	[0.870]	3.48	[0.137]	1.02	[0.040]	2 Hole	32P7197*	7
120	2.00	1.20	AlN	5.84	[0.230]	20.32	[0.800]	3.81	[0.150]	0.76	[0.030]	Center	32 7187*	4
120	2.00	1.10	AlN	5.84	[0.230]	20.32	[0.800]	3.81	[0.150]	0.76	[0.030]	2 hole	32 7176*	4
120	2.00	1.20	AlN	5.84	[0.230]	20.32	[0.800]	3.81	[0.150]	0.76	[0.030]	2 Hole	32 7025*	4
120	2.00	1.10	BeO	6.35	[0.250]	13.08	[0.515]	3.56	[0.140]	1.52	[0.060]	Right	32 1162*	2R
120	2.00	1.10	BeO	13.08	[0.515]	6.35	[0.250]	3.56	[0.140]	1.52	[0.060]	Center	32 1161*	2C
120	2.00	1.10	BeO	6.35	[0.250]	13.08	[0.515]	3.56	[0.140]	1.52	[0.060]	Left	32 1160*	2L
120	3.00	1.35	AlN	5.84	[0.230]	20.32	[0.800]	4.32	[0.170]	0.76	0.03	2 Hole	32 7027*	4

Peak power is typically 10 times the max power rating with a 1% duty cycle and 10 microsecond pulse width.

“*” is a place holder. See part number configurations to complete the part number



32 & 5 Series

Product Information

Power	Frequency	VSWR	Substrate	L		W		H		TW		Mounting Direction	Part Series #	Figure #
Watt	GHz	Max:1		mm [inches]										
125	2.00	1.25	AlN	22.22	[0.875]	9.52	[0.375]	4.31	[0.170]	0.76	[0.120]	2 Hole	5307ALN	7
150	2.00	1.15	AlN	9.52	[0.375]	22.10	[0.870]	3.43	[0.135]	0.76	[0.030]	2 Hole	32 7172*	7
150	2.00	1.15	AlN	9.52	[0.375]	22.10	[0.870]	3.43	[0.135]	0.76	[0.030]	2 Hole	32 7023*	7
150	4.00	1.35	BeO	9.52	[0.375]	22.10	[0.870]	3.81	[0.150]	1.02	[0.040]	2 Hole	32 1184*	7
150	4.00	1.35	BeO	9.52	[0.375]	22.10	[0.870]	3.81	[0.150]	1.02	[0.040]	2 Hole	32 1026*	7
150	1.00	1.35	BeO	9.52	[0.375]	22.10	[0.870]	3.81	[0.150]	0.76	[0.120]	2 Hole	32-1003*	7
150	2.50	1.30	AlN	9.53	[0.375]	22.10	[0.870]	3.81	[0.150]	0.76	[0.030]	2 Hole	32 7195*	7
150	2.00	1.25	BeO	22.22	[0.875]	9.52	[0.375]	4.32	[0.170]	0.76	[0.120]	Right	5307*	7
150	2.00	1.25	BeO	22.22	[0.875]	9.52	[0.375]	4.06	[0.160]	0.76	[0.120]	Right	5657*	7
200	1.00	1.20	BeO	5.84	[0.230]	20.32	[0.800]	3.81	[0.150]	1.02	[0.040]	2 Hole	32 1201*	4
200	2.00	1.20	BeO	5.84	[0.230]	20.32	[0.800]	3.81	[0.150]	1.02	[0.040]	2 Hole	32 1196*	4
250	2.70	1.30	AlN	9.52	[0.375]	24.76	[0.975]	5.33	[0.210]	0.76	[0.120]	2 Hole	32 7037*	8
250	2.00	1.15	BeO	9.52	[0.375]	24.76	[0.975]	5.33	[0.210]	1.52	[0.060]	2 Hole	32 1191*	8
250	2.00	1.15	BeO	9.52	[0.375]	24.76	[0.975]	5.33	[0.210]	0.76	[0.120]	Center	32 1037*	8
250	1.00	1.35	BeO	9.52	[0.375]	24.76	[0.975]	5.33	[0.210]	0.76	[0.120]	2 Hole	32 1004*	2L
250	3.00	1.2	BeO	9.53	0.375	22.1	0.87	3.35	0.132	1.02	0.04	2 Hole	32 1213*	7
250	1.00	1.05	AlN	9.52	[0.375]	24.76	[0.975]	5.33	[0.210]	0.76	[0.120]	2 Hole	32 7191*	8
250	2.00	1.25	BeO	24.76	[0.975]	9.52	[0.375]	5.21	[0.205]	0.76	[0.120]	2 Hole	5659*	8
350	2.00	1.55	BeO	12.70	[0.500]	31.75	[1.250]	5.46	[0.215]	1.52	[0.060]	2 Hole	32 1123*	9
400	1.00	1.20	BeO	26.42	[1.040]	48.26	[1.900]	6.35	[0.250]	1.52	[0.060]	4 Hole	32 1017*	10
500	2.00	1.25	BeO	12.70	[0.500]	31.75	[1.250]	0.22	[5.460]	1.52	[0.060]	Center	32 1209*	9
500	1.00	1.00	BeO	12.70	[0.500]	31.75	[1.250]	0.24	[5.970]	1.52	[0.060]	Center	32 1212*	9
800	0.50	1.30	BeO	26.42	[1.040]	48.26	[1.900]	6.22	[0.245]	6.35	[0.250]	4 Hole	32 1199*	10
800	0.50	1.50	BeO	26.42	[1.040]	48.26	[1.900]	6.22	[0.245]	6.35	[0.250]	4 Hole	32 1005*	10
800	0.50	1.10	AlN	26.42	[1.040]	48.26	[1.900]	6.22	[0.245]	6.35	[0.250]	4 Hole	32M7200*	10
1000	0.90	1.20	BeO	25.40	[1.000]	48.26	[1.900]	3.18	[0.125]	3.05	[0.120]	Center	32 5001*	11

Peak power is typically 10 times the max power rating with a 1% duty cycle and 10 microsecond pulse width.

“*” is a place holder. See part number configurations to complete the part number