

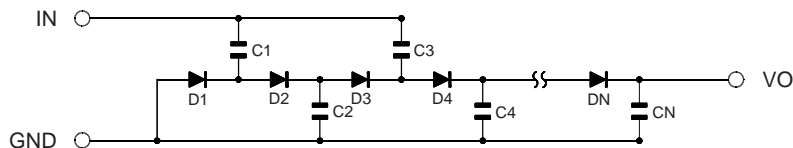
# 2,000V - 4,000V Miniature Hybrid Multiplier

100 $\mu$ A - 200 $\mu$ A • 8 - 10 Stages

ELECTRICAL CHARACTERISTICS AND PHYSICAL DIMENSIONS										
Part Number	Maximum A.C. Input Voltage (V <sub>in</sub> )	Maximum D.C. Output Voltage (V <sub>out</sub> )	Typical Output Current (I <sub>o</sub> )	Typical Frequency	# of Stages (1)	A	B	C	D	E
HM202P08	560Vpp	2000V	100 $\mu$ A	20-100kHz	8	.660 (16.8)	.250 (6.3)	.115 (2.9)	.012 (0.3)	.250 (6.3)
HM402N10	900Vpp	-4000V	200 $\mu$ A	20-100kHz	10	.830 (21.1)	.370 (9.4)	.200 (5.1)	.012 (0.3)	.250 (6.3)

(1) 1 Diode + 1 Capacitor = 1 Stage \*Op.Temp.= -55°C to +100°C Stg.Temp.= -55°C to +100°C

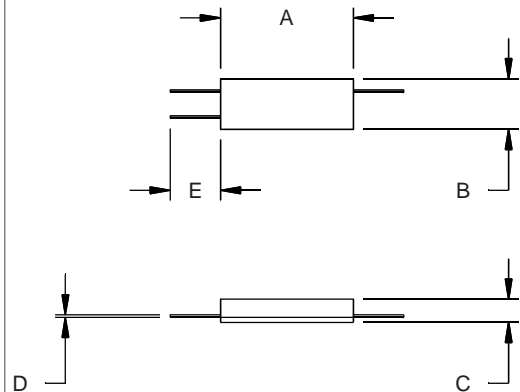
Positive Output



(Reversing the diode polarity from that shown, will result in a negative output multiplier)

## PART NUMBER

EXAMPLE	HM	202	P	08
	Hybrid Multiplier	V <sub>out</sub> 202 = 2kV 402 = 4kV	Output Polarity P Pos = + N Neg = -	Number of Stage 8 10



Contact the factory for additional custom configurations up to 1400Vpp input; 6kV, 500 $\mu$ A output.

Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



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