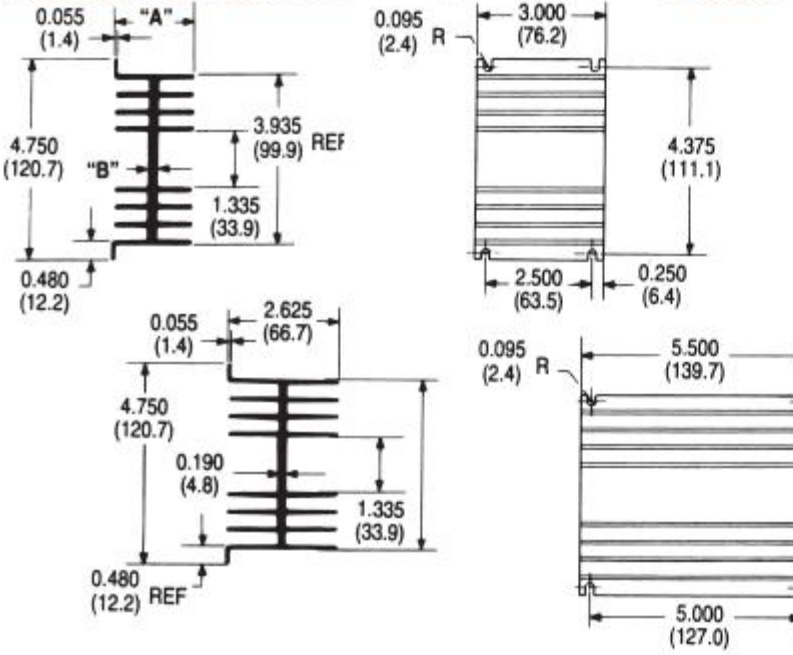




Standard P/N	Width in. (mm)	Nominal Dimensions		Semiconductor Mounting Hole Pattern	Thermal Performance at Typical Load		Weight lbs. (grams)
		Length in. (mm)	Height "A" in. (mm)		Natural Convection	Forced Convection	
413A	4.750 (120.7)	3.000 (76.2)	1.875 (47.6)	(1) TO-3	72° C @ 50W	0.85° C/W @ 250 LFM	0.6300 (285.77)
413F	4.750 (120.7)	3.000 (76.2)	1.875 (47.6)	0.270 in. (6.9)-Dia Hole	72° C @ 50W	0.85° C/W @ 250 LFM	0.6300 (285.77)
413K	4.750 (120.7)	3.000 (76.2)	1.875 (47.6)	None	72° C @ 50W	0.85° C/W @ 250 LFM	0.6300 (285.77)
421A	4.750 (120.7)	3.000 (76.2)	2.625 (66.7)	(1) TO-3	58° C @ 50W	0.7° C/W @ 250 LFM	0.6300 (285.77)
421F	4.750 (120.7)	3.000 (76.2)	2.625 (66.7)	0.270 in. (6.9)-Dia Hole	58° C @ 50W	0.7° C/W @ 250 LFM	0.6300 (285.77)
421K	4.750 (120.7)	3.000 (76.2)	2.625 (66.7)	None	58° C @ 50W	0.7° C/W @ 250 LFM	0.6300 (285.77)
423A	4.750 (120.7)	5.500 (140.2)	2.625 (66.7)	(1) TO-3	47° C @ 50W	0.5° C/W @ 250 LFM	1.1700 (530.71)
423K	4.750 (120.7)	5.500 (140.2)	2.625 (66.7)	None	47° C @ 50W	0.5° C/W @ 250 LFM	1.1700 (530.71)

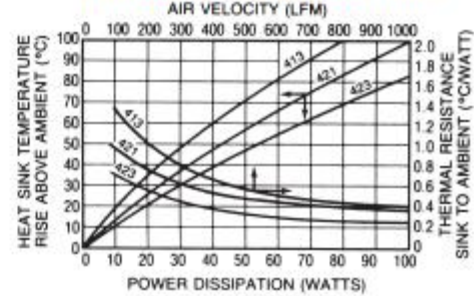
MECHANICAL DIMENSIONS 413 SERIES (EXTRUSION PROFILE 2276) 421 SERIES (EXTRUSION PROFILE 1025) 423 SERIES (EXTRUSION PROFILE 1025)



SERIES	"A"	"B"
413	1.875 (47.6)	0.200 (5.1)
421	2.625 (66.7)	0.190 (4.8)

Dimensions: in. (mm)

NATURAL AND FORCED CONVECTION CHARACTERISTICS



SEMICONDUCTOR MOUNTING HOLES

